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See pages 3, 18, 29, 30, v, xiv, xv, xvi, xviii, xx, xxii, xxiii, xxviii

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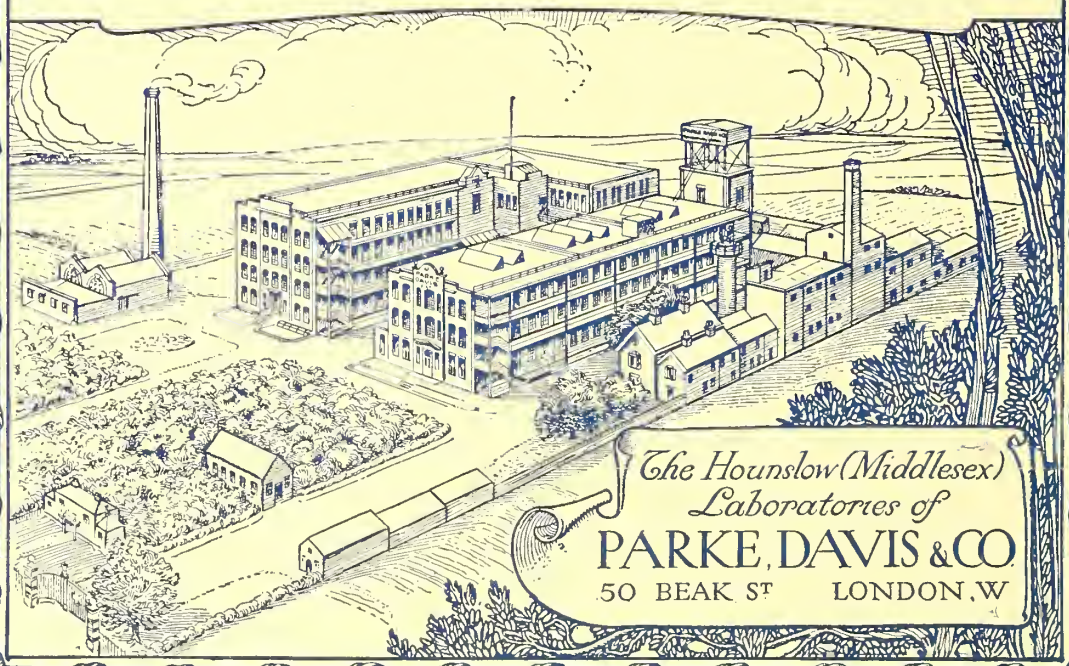

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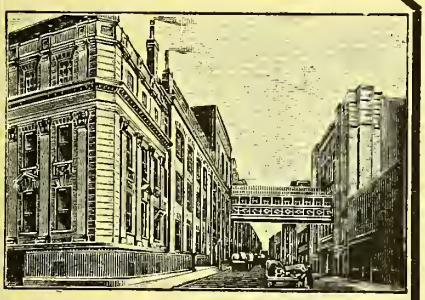

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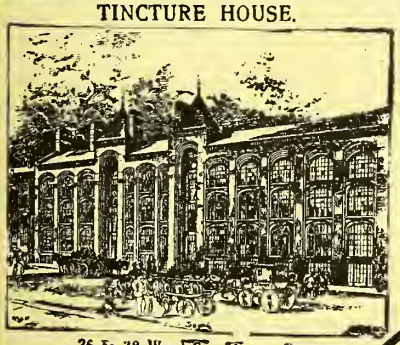

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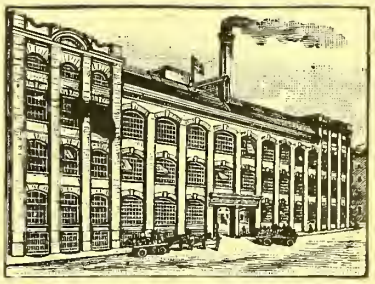

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INDEX TO ADVERTISERS IN THIS ISSUE.

The Arabic numerals (1 to 32) in this index refer to Advertisements in the front of literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to xxxii).

ALLCOCK MANUFACTURING CO., Plasters, &c. xxiv
ALLIANCE DRUG & CHEMICAL CO., Drugs, Chemicals ix
AMERICAN BUREAU OF FOREIGN TRADE xxii
ART & MEDICAL BRUSH MNFG. CO., Camel Hair Brushes xxiv
ASSOCIATION OF MANUFACTURING CHEMISTS, Ld. xxiii
AYRTON, SAUNDERS & CO., Ld., Druggists' Sundries, Tea, &c., Tablets 8
BAKER, PARSON C., Chemists' Valuer .....Col. Supp.
BANDOENG QUININE FACTORIES, Quinine Salts .. xlii
BARKER, R. W., Patent Agent.....Text 1154
BARRETT, R. H., Ld., Glass Bottles xxviii
BATH & WEST OF ENGLAND COLLEGE 22
BATTAM & HEYWOOD, Valuers, &c. .....Col. Supp.
BEETHAM, M., & SON, Toilet Articles 26
BERDOE & FISH, Chemists' Valuers, &c.....Col. Supp.
BEWLEY & DRAPER, Ld., Dichroic Ink xxvii
BLACKIE, ROBERT, Ointments, &c. xxx
BLYTHE, W., & CO., Ld., Epsom Salts, Zinc Sulphate xix
BOAKE ROBERTS, A., & CO., Ld., Chemicals, Essences 21
BOEHM, F. Ld., Chemicals, Essential Oils..... xxii
BOWDLEAR, W. H., Beeswax xxix
BRITISH AMERICAN CHEMICAL CO. INC., Chemicals .. xiii
BRITISH DIAMALT CO., Foods xxiii
BRITISH MILK PRODUCTS CO., Ld., Foods 13
BROWN, B., & BRO., Drugs, Chemicals, Vegetable Oils xviii
BURGE, WARREN & RIDGLEY, Ld., India-Rubber Goods, Air Cushions, Anti-Rheumatic Rings..... xxvi
BURNSIDE & CO., Eucalyptus Oil 25
BURROUGH, J., Ld., Absolute Alcohol, S.V.R., S.V.M. Text 1154
BURROUGHS WELLCOME & CO., 'Tabloid' Preps. 31
BURROW, W. & J., Malvern Waters 28
BUTLER, E. H., & SONS, Acetanilide, Aniline Dyes .. xxi
CADBURY BROS., Ld., Cocoa.....Cover
CARNEGIE BROS., Chemicals, Surgical Dressings xxix
CELLONITE CO. (DREYFUS & CO.), Acetic Anhydride, Cellulose Acetate..... xix
CHATELAIN, J. L., French Medicinal Proprietaries .. xi
CHESEBROUGH MNFG. CO., Vaseline and Preps. 19
CHESTER A. D., & CO., Ld., Chemicals xvii
CHRISTY, T., & CO., Toilet Articles, Tartar Remover .. 28
COLEMAN & CO., Ld., Tonic and Medicated Wines 29
COOPER, SON & CO., Ld., Cachets 28
CUXSON, GERRARD & CO., Ld., Druggists' Sundries 5
DAISY, Ld., Headache Powders 7
DEE OIL CO., Ld., Petroleum Jellies..... 24
DOMIGO CO., Proprietaries..... x
DORING, E. DUNCAN, & CO., Glassware xxxi
DUDLEY & CO., Window-dressing Paper....26, Col. Supp.
DUN, R. T., Capsules (Medicinal) xxix
EASTERN DENTAL MFG. CO., Dental Goods 28
ELLISON, H., Ld., Disinfectants 28
EVANS SONS LESCHER & WEBB, Ld., Chemicals, Pharmaceuticals, Druggists' Sundries, Serums, Insect Killer, Capsules, Lysol .....Cover, 3, 18, 29, 30, v, xiv, xv, xvi, xviii, xx, xxii, xxiii, xxviii
EXTIRMO, Ld., Vermin Killer..... 2
FABRA CO., Ld., Chemicals xxi
FARRIS, CHARLES, Beeswax, Spermaceti, White Oils 10
FENNINGS, A., Fever Powders ..... Cover
FINK, F., & CO., Gums 28
FLETCHER, FLETCHER & CO., Ld., Liquors ..Text 1154
FLOREY, HARTLEY, Chemicals xvii
FORD, SHAPLAND & CO., Chemists' Printing 27
FRAME FOGD CO., Ld., Foods 12
FRANSES, J. J., & SONS, Waxes 24
FUERST BROS. Chemicals (Pure and Technical)..... xviii
FULFORD, G. E., Ld., Medicinal Props., Toilet Articles 4
GALEN MNFG. CO., Surgical Dressings, Sundries 28
GATES, LESLIE, Bottle Capping, Goldbeater's Skin.... 27
GATHERGOOD'S, Dr. B. W., EXOR.. Crude Drugs xxi
GIGNOUX FRERES & CO., Male Fern Extract, Medicinal Extracts ..... xii, xiv
GLOBE TABLET & MNFG. CO., Tablets vi
COLDBERG, I. L., Santonine vii
COODALL, BACKHOUSE & CO., Packed Goods, Herbs Cover
GOUGH, KIDSTON & CO., Chemicals xi
COWER, JOHN, Books (Secondhand, &c.) .....Col. Supp
GREEFF, R. W., & CO., Chemicals (Fine and Technical) 9
GRIEVE, Mrs. M., Medicinal Plants vii
GRIFFIN, J. J., & SON, Ld., Tablet Machines xxiv
HARLEY, T., Rat Poison xxxi
HIGGIN Ld., Vincanite Goods 28
HOLT, THOMPSON & CO., Ld., Salicylic Acid..... xvi
HORNE, W. C., Luminous Paint 28
HOSPITALS & GENERAL CONTRACTS CO., Ld. .. 28
HOUGH, HOSEASON & CO., Enemas, &c. xxv
HOYLE, J. & T., & CO., Aniline Dyes 28
HUBBUCK, T., & SON, Ld., Zinc Oxide xii
HUISKING, C. L., American Drugs, Chemicals, &c. .. xix
IDRIS & CO. Ld., Aerated and Mineral Waters 15
INTERNATIONAL CHEMICAL CO., Proprietaries 6
ISAACS, I., & Co., Medical Glassware xxx
JOB BROS., Cod Liver Oil (Newfoundland) 25
JOHNSON, MATTHEY & CO., Ld., Silver Nitrate 30
JOHNSON & SONS (Mnfg. Chts.), Ld., Fine Chemicals xv
JOSEPHS, PHILIP, & SONS, Ld., Shopfittings..Col. Supp.
KAY BROS., Ld., Cements, Flycatchers, Proprietaries 23
KEENE CO., Chemicals xviii
KELLAND, W. P., Safety Razors 30
LANG, JULES & SON, Medical & Chemical Glassware.. xxxi
LEVERMORE, A., & CO., Ld., Chalk (Precipitated) .. 28
LEVINSTEIN, Ld., Novocain xiii
LINTON, HUBBARD & ANDREW, Essential Oils, Liquorice 12
LOFTHOUSE & SALTMER, Ld., Foods, Asthma Remedies 12
MACFARLAN, J. F., & CO., Alkaloids, Chloroform, Emetine Salts, Surgical Dressings iv
McCOTTER, S. G. & CO., American Chemicals, &c. .. xxi
McGLASHAN, D., Fruit Drink..... 14
McKESSON & ROBBINS, Capsuled Pills, Dentifrices .. v
McQUEEN, D., & CO., Business Books .....Col. Supp.
MAGNUS, MABEE & REYNARD INC., Essential Oils v
MALLINCKRODT CHEMICAL WORKS (Canada), Ld., Canadian and American Chemicals xii
MARKT & CO. (London), Ld., Rubber Sponges 21
MAW, S., SON & SONS, Druggists' Sundries, Packed Goods, Surgical Instruments, Vacuum Flasks 11
MAWSON & CO., Capsules..... ii
MAY & BAKER, Ld., Chemicals (Industrial, Technical and Fine) Mercurials .....Cover
MEADE-KING, ROBINSON & CO., Petroleum Jellies 20
MENDIT, Ld., Cement 14
MENLEY & JAMES, Ld., Pharmaceuticals xx
MILLAR, A., & CO., Ld., Orange Quinine Wine 29
MILNER'S CHEMICAL CO., Hat Cleaners, &c. 27
MONSANTO CHEMICAL WORKS, Chloral Hydrate xl
MUNN, W. A., Cod Liver Oil.....Text 1154
MURRAY, S., & CO., Crutches xxix
NALBOROUGH & SONS, Ld., Milk Sugar xvii
NATHAN, FRANK J., & CO., Chemicals xxiii
NEWBERY, F., & SON, Ld., Druggists' Sundries xxxi
NI-VERRE CHEMICAL CO., Toilet Articles.....Col. Supp.
GRRIDGE & CG., Chemists Valuers .....Col. Supp.
OURY, MILLAR & CG., Ld., Celstines 26
PAPIER POUDRE, Ld., Toilet Preparations 16
PARKE DAVIS & CO., Dentifrices .....Cover
PASCALL, JAS., Ld., Medicated Confectionery 14
PEARS, A. & F., Ld., Toilet Soaps 1
PELLIOT, HENRI, & CIE, Citric Acid xvii
PICERNO, V. A., Chemicals xxiii
PICKARD, IVE & RANKIN, Ld., Acetyl Salicylic Acid xxix
PIERSON, MORRELL & CO., Aspirin xlv
POTTER & CLARKE, Ld., Herbs, Asthma Remedies, Crude Drugs, Packed Goods viii
PRIDEAUX'S Ld., Casein 29
PRODUCE BROKERS CO., Ld., Lanolin xv
PURE RUSSIAN LIQUID PARAFFIN CO., Lanolin iii
RADIUM SALT CO., Bath Salt 28
RANSOM, W., & SON, Ld., Lavender Oil, Peppermint Oil, Resins and Resinoids, Medicinal Extracts ....Cover
RAWORTH, J. E., Patent Agent 28
RED BAND CHEMICAL CO., Packed Goods xx
ROBARTES, Ld., Toilet Specialities 26
ROBERTS & CO., Continental Proprietaries 24
ROBERTS PATENT FILLING MACHINE CO..... vii
ROSMARINE MNFG. CO., Toilet Preparations..... 20
ROQUES, FERDINAND, Alkaloids, Cacodylates xix
ROWLANDSON, W., & CO., Mixing Machinery vii
RUBBER SPONGES, Ld. Rubber Sponges xxx
RUBECK, H. Essential Oils, Thymol .....Text 1154
RUDD, F. M., Peppermint Oil 25
RUDDUCK & CO., Chemists' Shop Fittings ..Col. Supp.
RUSSIAN PRODUCE IMPORTERS, Potass. Carbonate xvii
SACCHARIN CORPORATION Ld., Saccharin.... xxxii
SANITAS CO., Ld., Disinfectants ..... Text 1154
SHADEINE CO., Hair Dyes 29
SHIRLEY BROS., Ld., Tin Boxes, Packed Goods.....xxvii
SIM, Ld., Ampoule Files vii
SINGLETON & COLE, Ld., Tobacco and Cigars 28
SMITH, T. & H., Ld., Alkaloids, Resins & Resinoids .. x
SOUTHALL BROS. & BARCLAY, Ld., Foods 17
SPATULA PUBLISHING CO., Books, &c..... 23
SPENCER, ISAAC. & CO. (Aberdeen), Ld., Cod Liver Oil 18
SPEYER, S. S., & CO., Luminous Paint xxix
STEARNS, F., & CO., Pepsines, Organotherapy Products li
SWALES, THOMAS, Lootahs, Corn Plasters.....xxviii
THAMES PAPER CO., Ld., Cardboard Boxes i
THEW, HOOKER & GILBEY, Malted Food..... 13
THOMPSON, J. L., & CO. Japanese Glassware xxvi
TITTERTON & HOWARD, Brushware (all kinds) 30
TOLKOWSKY, S., Russian Crude Drugs, &c. vi
TOMLINSON & HAYWARD Ld., Seed Dressing Text 1154
TOMLINSON, THOS., & SON, Chemists' Valuers Col. Supp.
TOOGOOD, W., Ld., Druggists' Sundries..... xxvii
VAN HORN & SAWTELL, Surgical Ligatures..... 28
VERNON & CO., Ld., Surgical Dressings, Lints xxvi
VICHY CO., Mineral Waters 14
VISCOSE CO. Ld., Bottle Cappings 27
WAIDE, THOS., & SONS, Chemists' Printing..... 29
WARD & GOLDSTONE, Electrical Novelties 22
WARRICK BROS. Ld., Cachets, Capsules, Lozenges 32
WARRINGTON CHEMICAL & DRUG CO., Salicylic Acid xvii
WASHINGTON CHEMICAL CO. Ld., Magnesia & Salts xvii
WATFORD MANFG CO., Ld, Soup Cubes 12
WATSON & CO., Photographics .....Col. Supp.
WEBSTER, T., & CO., Ink Powder xxix
WESTMINSTER COLLEGE OF PHARMACY 22
WHIFFEN & SONS, Ld., Emetine Salts, Quinine, &c... xvii
WHITE TAR COMPANY, Naphthaline, &c. xvi
WIGGLESWORTH & CO., Tablets, Pharmaceuticals Cover
WILCOX JOZEAU & CG., Continental Proprietaries Text 1154
WILKINSON, J. F., Chemists' Printing 18
WILLIAMS, DR. EVAN, Henna Shampoo..... 25
WOOD, V., Trusses, Crepe Bandages, Rubber Goods .. xxx
WRIGHT, ARCHD J., Ld., Electrical Novelties 22
WRIGHT & CO., Oxygen Baths xxvi
ZEAL, G. H., Clinical Thermometers 23
ZIMMERMANN & CO. (Chemicals), Ld., Chemicals xxiii

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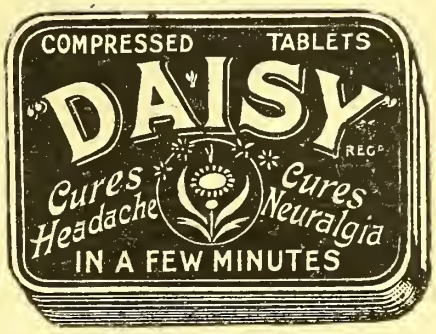

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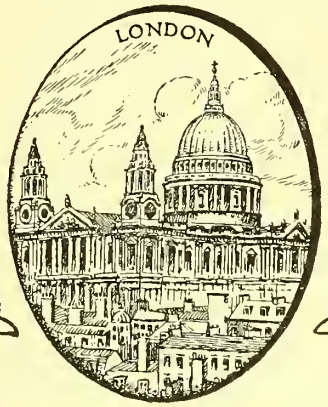
Hydroquinone
Isarol (best Ichthyol substitute)
Lithia Carbonate
Lithol (Ichthyol substitute)
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Peppermint Oil
Pepsines, Pancreatin, Peptone and other digestive Ferments
Phenacetin
Phenazone
Pyrogallic Acid
Potassium Sulpho-Guaiacolate
Quinine and Salts
Quinine Ethyl Carbonate
Salicylate of Soda
Salol
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

R. W. Greeff & Co.,

THAMES HOUSE,
QUEEN ST. PLACE,
LONDON, E. C.



MANCHESTER BRANCH:
Lloyds Bank Buildings,
King Street,

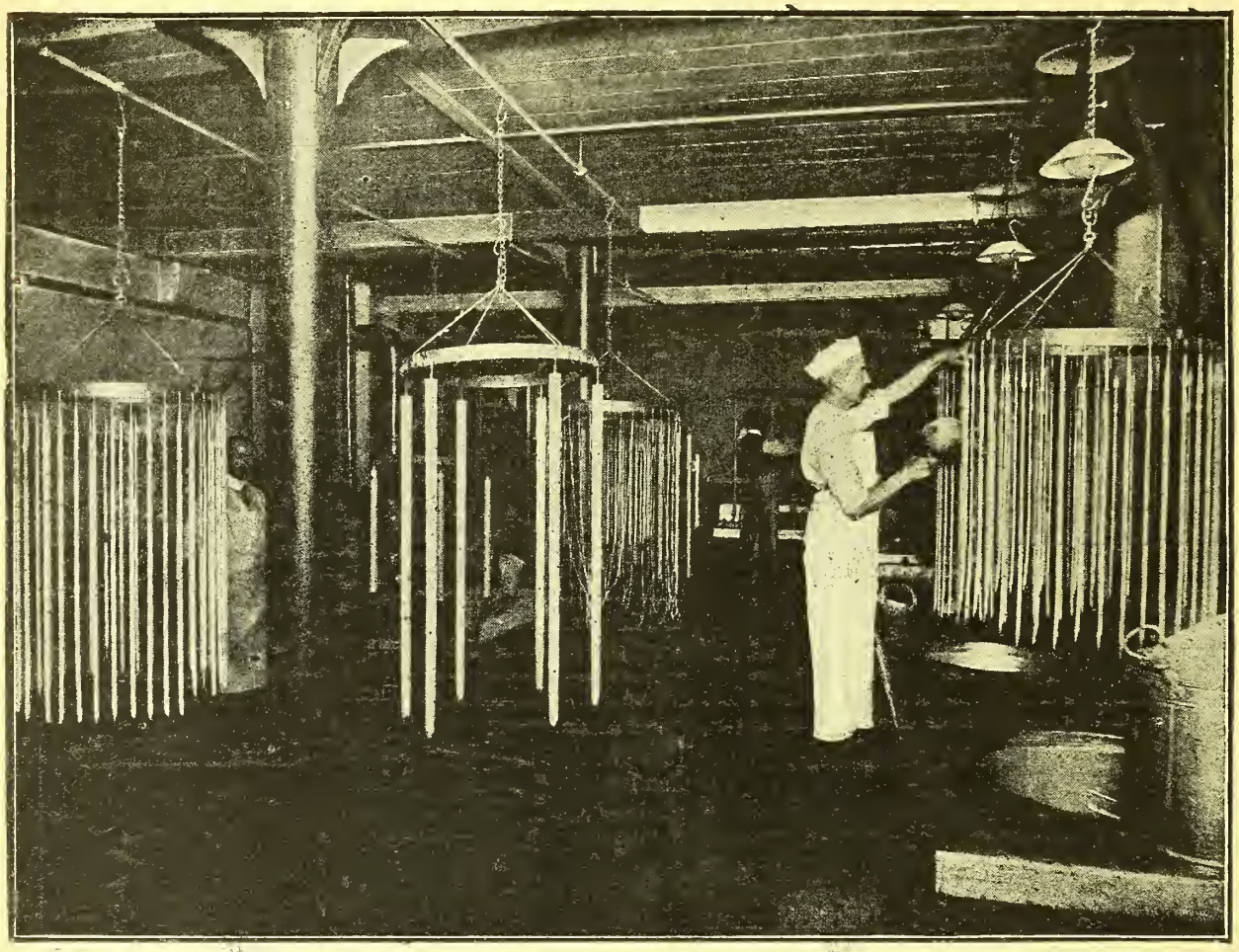
ALSO AT

NEW YORK:
R. W. Greeff & Co.,
80 Maiden Lane.

The Vignettes which appear successively in this advertisement indicate the countries from which the products offered are mainly drawn.

"Farris's" Genuine Air Bleached White Beeswax

WELL KNOWN FOR EXCELLENCE AND PURITY NEARLY THREE-QUARTERS OF A CENTURY.



The Making of Church Altar Wax Candles. **Photograph of one of the Workrooms at Farris's Wax Melting Factory, Helmet Court, Bishopsgate.** The only actual Manufacturing Wax Chandler in the City of London, and THEREFORE CAN DELIVER IMMEDIATELY FROM STOCK—

PURE ENGLISH REFINED SPERMACETI, Paraffin Wax, Ceresine, Stearic Acid, Pure Olive Oil, Castor Oil, Palm Oil, Peach Kernel Oil, Cod Liver Oil, Slab Oil, 'Farrisol' Paraffinum Liquidum B.P., 'Farrisol' Snow White Opaque Jelly, B.P., Lanoline, White Oils, &c. Oil Refiner to H.M. Government.

CHARLES FARRIS BISHOPSGATE LONDON E.C. ESTD 1845

Telephones: 9397 and 9398 London Wall.

MANUFACTURER & REFINER OF OILS of every description.

GENUINE REFINED YELLOW BEESWAX in block; also 1 oz., 2 oz., and 4 oz. Rounds.

WAXES OF EVERY KNOWN KIND.

SAMPLES MATCHED AND LOWEST PRICES SUBMITTED.

WAXES PREPARED FOR SPECIAL PURPOSES.

CHARLES FARRIS BISHOPSGATE LONDON E.C. ESTD 1845

Telegrams: "Waxiness, Led, London."

CHARLES FARRIS, 71 Bishopsgate, London, E.C.

Works: HELMET COURT, BISHOPSGATE, E.C.

Warehouses and Stores: 91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.

Important and Special Capsule Announcement

Stepping-stones

The very early feeding bottles, or *tetinæ*, dating back to 700 B.C., were usually globular in shape, elaborately decorated, and were covered with small knobs, which it is conjectured were used to hang tiny bells upon.

Possibly a hollow gourd constituted the first baby's feeding bottle, and it is a far cry from these primitive vessels to the modern glass article.

. . .

The development of the feeding bottle during the last eighty years can be traced by means of the collection of patterns we have got together, and which will be exhibited in our Showrooms for a month, commencing on December 28.

Perhaps the most interesting specimen is a bottle fitted with a metal tube, which came in contact with the milk when in use! It is dated 1836.

A novel idea was introduced by us in 1853, and later shown at the International Exhibition, in the form of a bottle fitted with an elastic band intended to tie round the infant's waist.

. . .

Fifty years ago feeding bottles were fitted with a wood-topped cork, and bent necks were also introduced, the latter innovation for the India market, where a feeding bottle is commonly called a "Maw" by the natives.

The production of a bottle constructed on the syphon principle followed. It was fitted with metal plug stopper and metal ball valve, and retailed at 10/6.

Ten years later—in 1881—the great hygienic value of valve tube, union and screw stopper made entirely of glass was recognised.

. . .

This principle, with the additional protection of reversible rubber teat and valve, to-day makes the sterilisable "Eugenic" Feeding Bottle what it is—a giant in fame and value. A most novel display stand is supplied free with o ders.

Capsule

XMAS GIFTS SEE LAST WEEK'S DOUBLE MAW'S PAGE

CASCARA SAGRADA CAPSULES

These super-quality capsules are put up in dozens in dainty green-enamelled metal pocket cases. For all orders for one gross of tins upwards we print the customer's name and design on the lid without extra charge. Price 48/- gross.

QUININE & CINNAMON CAPSULES

Capsules are cheaper! Present prices of our Ammoniated Quinine and Quinine and Cinnamon series, put up in elegant partitioned tins, are as follows:

Ammoniated Quinine Capsules—		
12 in divisioned tins	4/9 dozen ...	48/- gross net.
24 in ,, ,, ...	9/3 ,, ...	94/- ,,
24 in round ,, ...	8/- ,, ...	88/- ,,
Ammoniated Quinine and Cinnamon Capsules—		
12 in divisioned tins	5/9 dozen ...	62/- ,,
24 in ,, ,, ...	11/- ,, ...	120/- ,,
24 in round ,, ...	9/6 ,, ...	103/- ,,

Customer's name and address printed free on gross quantities.

SANDAL WOOD OIL CAPSULES

A superb line, daintily put up. Highest quality hand-made capsules. 10 minims, NOT drops (10 drops only equal 8 minims).

No. 11. SANDAL OIL CAPSULES MX, 24 capsules in flat partitioned tins	26/9 per doz.
Ditto in gross quantities	24/- ,, net.
No. 12 SANDAL OIL CAPSULES, 12 in partitioned tins	14/- ,,
Ditto, in gross quantities	12/9 ,, net.
Round tins, MX, 24 capsules in each ...	24/6 ,,
Ditto, by the gross tins	22/- ,, net.
Round tins M8, 24 capsules in each ...	20/6 ,,
Ditto, in gross tins	18/6 ,, net.
MX in boxes of 250	75/- per 1000
M8 in boxes of 250	58/- ,,

Maw's S MAW SON & SONS (GPO BOX No 54) 7-12, ALDERSGATE ST LONDON, E.C. Page

NUMBER 266 NOV. 18, 1916

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS

TELEPHONE: CITY 7 (PRIVATE BRANCH EXCHANGE). TELEGRAMS: "ELEVEN CENT LONDON."

LIQUORICE

ALL the Best Brands—On spot.

Apply LINTON, HUBBARD & ANDREW, 72-75 Fenchurch St., LONDON, E.C.
Telephone: 1892 Avenue. A B C & Lieber's Codes. Cables & Telegrams: "Linteolo London"

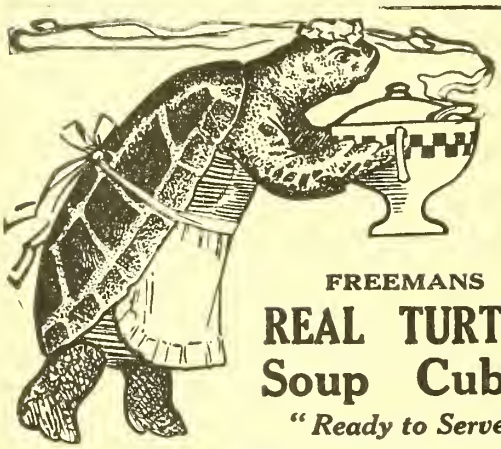
THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

"FRAME FOOD"

ON P.A.T.A. LIST. ***SHOWCARDS FREE.***

FRAME FOOD CO., Standen Road, Southfields, London.



FREEMANS

REAL TURTLE Soup Cubes

"Ready to Serve."

Made from the real rich meat of selected West Indian Turtles—so that real Turtle Soup, once the privilege only of the rich, is now a delicacy easily accessible to every household. No other soup is so nourishing and delicious.

To retail in 1/- Cartons containing 4 Cubes.

THE WATFORD MFG. CO., LTD.,
Proprietors of
Freemans Table Dainties, Boisseliers (Boy-sel-e-a) Chocolates, and Vi-Cocoa.
Victoria Works Watford

Freemans READY SOUPS Watford

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7½d.	5/-
* " " " " "	1/2	10/-
* " " " " bottles in cartons	1/6	12/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema	1/6	12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

One of the many recent testimonials relating to

Sanaphos.

(T.M. Regd.)

The ideal reconstructive nerve food.

"I shall recommend 'SANAPHOS' to my friends here; it is very good to take and has not that disagreeable smell. I find that my chemist will be able to get it from his English house."

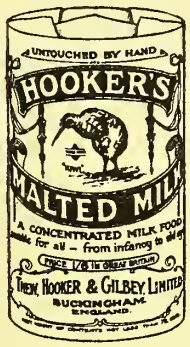
F. L. MITCHELL,
Villa Frey, Bern.

The fixed prices at which **Sanaphos** is sold show a net profit to the retail chemist of over 30 per cent. on selling price (over 40 per cent on cost). The wholesale prices are:—1/- size, 8/6 per dozen; 1/6 size, 12/9 per dozen; 2/6 size, 21/- per dozen; 5/- size, 42/- per dozen. **Sanaphos** is a reconstructive NERVE Food; Nutrient, Restorative and Activating. It is indicated in Mental and Physical Fatigue; Nervous Breakdown; Insomnia; and Neurasthenia. **Sanaphos** is an organically phosphated milk product, much superior to the German-owned article, and is prepared in England under strict scientific control. Chemists are invited to write for samples, showcards, and all particulars; and to send names of physicians, to whom we shall be pleased to send samples of **Sanaphos** and copies of numerous professional endorsements. Address THE BRITISH MILK PRODUCTS CO., LTD., 69 MARK LANE, LONDON, E.C. — — *Exceptional Terms for Supplies to Hospitals.*

HOOKER'S MALTED MILK

"A complete food." — *Lancet.*

SELLS ENTIRELY ON MERIT.



There is no Higher Quality or Better Value

BRITISH MADE & BRITISH OWNED

DEMAND RAPIDLY INCREASING.

LARGE PROFITS TO SELLERS.

PRICES AND TERMS FROM

THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.

THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT,

Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

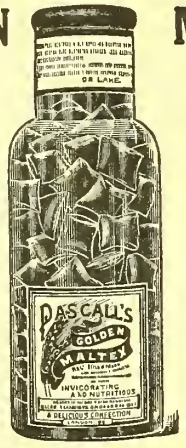
Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd.; Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

PASCALL'S

GOLDEN MALTEX



Contains 25% Pure Malt Extract

of especial food value for Children.

¶ Pascall's Golden Maltex is admirably suited for sale by Chemists, owing to its nutritive and restorative qualities.

¶ Order through your Wholesale Druggist, or direct from the manufacturers,

JAS. PASCALL, Ltd., LONDON, S.E.

ALL CHEMISTS SHOULD STOCK ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Quarter of a Century's Reputation.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 2 for 2½d.; Boxes of 13 Packets 1/3.

Order through your Wholesale Drug House.

D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

Wholesale Prices on Application

FROM ALL SUNDRY DRUG HOUSES.

2D MEND-IT 2D

IN 1-DOZ. SHOWCASES. MENDIT LTD., BIRMINGHAM.

It's British

An Alkaline Tonic Aperient Water
Pleasant in Taste & Painless in Action
TONALKA
Sole Proprietors
IDRIS & Co.
London Liverpool & Southampton

Take a Note of the Name

Tonalka

The BRITISH APERIENT WATER

A Profitable Line for Chemists.

IDRIS & CO., LTD.
Pratt Street,
Camden Town,
N.W.

PAPIER POUDRÉ
AND "POPPŒA" PREPARATIONS.

TRADE MARKS

"LEHCARESOR."

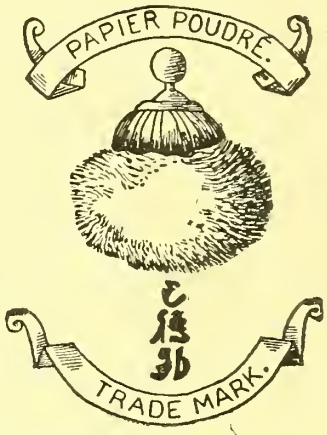
Papier Poudré

STOCK

BRITISH MADE

GOODS

REGISTERED



PAPIER POUDRÉ, LTD.,
20 Baker St., Portman Sq. London, W.
and in Paris.

NOTE OUR TRADE MARKS, AS ABOVE.

PAPIER POUDRÉ.

IN WHITE, ROSE, RACHEL or SUNBURN TINTS, 3d., 4½d., 6d. & 1/- size Booklets.
2/-, 2/6, 3/9 and 7/6 per doz. net respectively.

NEAT 1/- MIRROR CASES, containing pads of PAPIER POUDRÉ	**7/6**	per doz.
REFILLS to these MIRROR CASES	**2/-**	,,
SMALL SIZE, DOUBLE LEAVES, for purse or glove	**1/3**	,,
6d. SHAVING PADS (unscented, white only)	**3/9**	,,

THE ALL-BRITISH "POPPŒA" PREPARATIONS.

"Poppœa" REGISTERED TRADE MARK ROUGE is most popular. It is put up in most convenient form, and is Nature's Understudy.

IN PADS, 3d., 6d., and 1/- each.
2/-, 4/-, and 8/- per doz. respectively.

IN MIRROR CASES, 1/- each, 8/- per doz.
Refills, 2/8 per doz.

"POPPŒA" MASSOLINE SKIN FOOD, in Jars, **7/6** and **24/-** per dozen
"POPPŒA" CIRCASSIAN CREAM, in Jars, **7/6** and **24/-** per dozen
"POPPŒA" CREME POUDRÉ, in Bottles, **7/6** and **24/-** per dozen.

PAPIER POUDRÉ, Ltd., 20 BAKER STREET, PORTMAN SQUARE, LONDON, W.

VITAFER

The All-British Tonic Food. Manufactured and introduced by SOUTHALL BROS. & BARCLAY in 1910.

In Tins, **1/6, 2/6, 4/6, 7/6.** Wholesale, **12/-, 20/-, 36/-** & **60/-** per dozen.

Specially packed for Colonial Markets—e.g., India and the Tropics, in 4 oz., 8 oz., and 16 oz. bottles. Wholesale Agents and Merchants should specify the market.

Special window show terms for the United Kingdom. Write for particulars.

ALDEMINT

The Antiseptic Throat Tablet. A hard, smooth faced well-finished Throat Tablet, composed of Milk Sugar impregnated with Formaldehyde.

In screw-capped ambers bearing 6d. stamp, **2/-** each. Wholesale, **17/-** per dozen.

LYCRESOL

A Concentrated Antiseptic composed of Cresylic Acid and Potassium Soap. Contains over 50% free Cresylic Acid, and is consequently more germicidal than pure carbolic acid.

In Ambers, 4 oz., **7½d.**, 8 oz., **1/-**, 16 oz., **1/9**, 32 oz., **3/-**. Gallon tins, **12/-** each.
Wholesale „ **4/9** „ **8/-** „ **14/-** „ **26/-** „ **8/-** „

CYSTOFORMIN

A powerful Antiseptic for all infected conditions of the bladder and urinary tract.
In Tubes of 20 Tablets, **1/6** each. Wholesale, **12/-** per dozen.

VITAFER CHOCOLATE

A delicious stimulant and confection.
In handsome packets of 12 and 24 Tablets ... ... **7½d.** and **1/3** each.
Wholesale, **5/6** and **11/-** per dozen.
Specially packed in tins for the Front. Show Boxes and Showcards on application.

Most of the above are on the P.A.T.A., and can be supplied by all the Wholesale Houses or direct from the Manufacturers,

SOUTHALL BROS. & BARCLAY, Ltd.
BIRMINGHAM.

Samples and literature for Medical and general distribution supplied free of charge.

FINEST
NORWEGIAN
Medicinal Non-freezing
COD LIVER OIL

The Cheapest & Best on the Market.
Special Facilities. Let us have your Enquiries.

ISAAC SPENCER & CO. (ABERDEEN) LTD. ABERDEEN

EVANS

FOR
COUNTER
ADJUNCTS

(Chemist's proprietaries with their own name and address).

EVANS SONS LESCHER & WEBB
Limited
Liverpool and London
AND
New York, U.S.A.

See Advertisements Front of Cover & Page 3

IMPORTANT.

COCAINE
AND OPIUM
REGULATIONS

Clause "E" of the above requires a Special Register to be kept recording the ingredients of the Prescription and name and address of the person to whom it is sold or delivered. Keep your record exact by using

WILKINSON'S
SPECIAL REGISTER
FOR THE PURPOSE,
WITH INTRODUCTION AND COPIOUS EXTRACTS FROM THE ACT.

Contains 50 pages, and 3 pages for recording the purchase of Cocaine.

PRICE 1/9 POST FREE.

ORDER IT NOW FROM
JAMES F. WILKINSON,
MEDICAL LABEL PRINTER,
PENDLETON, MANCHESTER.

"VASELINE"

AND

RELIABILITY

"VASELINE" when used in Ointments contains more of the desired elements necessary for a universal base than any other known substance. It has emollient, antiseptic, healing and protective qualities in itself, is not easily acted on by chemicals, and, where properly protected from air and light, does not change. Also, when incorporated with other medicaments, they are not injured by the action of the base. These conditions have long been recognised by the leading Physicians, Surgeons and Pharmacists throughout the world. Animal and vegetable fats, on the other hand, are subject to change, forming various compounds, which destroy the end for which they were intended.

"Vaseline" is the Registered Trade Mark of the

CHESEBROUGH MANUFACTURING

COMPANY (Consolidated)

42 Holborn Viaduct, London, E.C.

Complete Price List of all the "Vaseline" Preparations will be sent post free on application

A powerful antiseptic and deodorant.

"PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "Petal Dust" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

Retails in 3d. and 6d. packets

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

THE ROSMARINE MANUFACTURING COMPANY,

STAMFORD STREET, LONDON, S.E.

CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO.

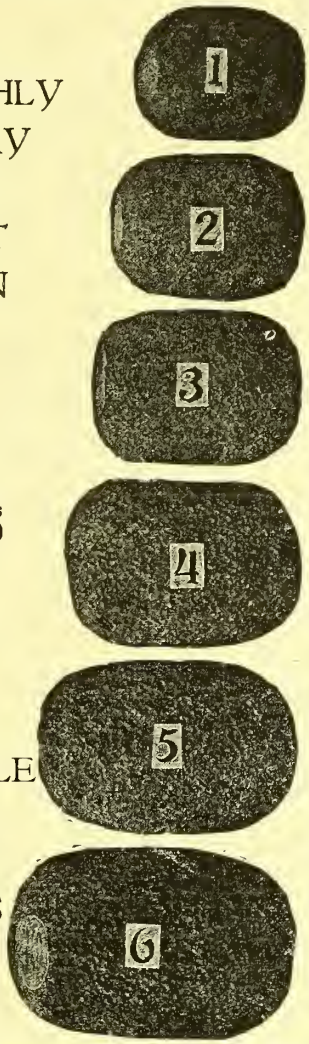
LIVERPOOL - - - MANCHESTER

FEATHEREDGE RUBBER SPONGES

THOROUGHLY SANITARY AND DO NOT HARDEN

Very **GOOD PROFITS** for the Retailer

OBTAINABLE OF ALL DRUGGISTS' SUNDRIES HOUSES



Markt & Co., London,
—LTD.—
American Merchants,
SOLE IMPORTERS,
98-100 CLERKENWELL RD.,
LONDON, E.C.

A. Boake Roberts & Co., Ltd.,
STRATFORD, LONDON, E.

. . FOR . .

SOLUBLE ESSENCES, ESSENTIAL OILS, OIL LEMON.

If you wish to make first-class ∴ Aerated Waters, use ∴ **BOAKE ROBERTS' ESSENCES.**

Finest Soluble Essences:

Lemon,
Orange,
Ginger,
Ginger Ale,
Stone Ginger Beer *(Cloudy)*,
Clear Ginger Beer,
Kola Champagne,
Lime Juice and Soda,
Lemon Squash,
Raspberry,
Strawberry,
Pineapple,
Vanilla, &c. &c.

GOLDEN CARAMEL COLOURINGS, &c. and all sundries.

A. Boake Roberts & Co., Ltd.

WESTMINSTER COLLEGE.

PHONE: BRIXTON 1728.

Principals: G. S. V. WILLS, Ph.C. (Founder); P. H. WOODNOTH, M.P.S.

OCTOBER EXAMINATIONS: Sixteen Westminster Students Passed.

NEXT FULL COURSE FOR MINOR EXAMINATION commences JANUARY 3, 1917.

NEXT APOTHECARIES' COURSE commences JANUARY 31, 1917. Fee (to July Examination) 8 guineas.

No more Lady Students for this Examination can be received until this date, as all benches are taken.
All books and apparatus are supplied free of charge.

Students who intend entering College in January may receive instruction free of charge for either of these Examinations.

For Prospectus, &c., Call, Write or Phone THE SECRETARY, 402 Clapham Road, LONDON, S.W.

BATH & WEST OF ENGLAND

College of Chemistry & Pharmacy.

Principal: DAVID J. WILLIAMS, Ph.C., F.C.S. *(Silver Medallist).*

DAY CLASSES. MINOR, MAJOR, and APOTH. HALL.

SEPARATE CLASSES FOR LADIES.

SUCCESSES average **75** % during 9 YEARS.
(This is average for each Minor Examination, not for each year.)
On 9 occasions the **100**% has been reached at Pharmaceutical Examinations. Total passes on these occasions = **51.**

CORRESPONDENCE COURSES—Minor, Major, Prelim., Apothecaries' Hall and Scholarships.

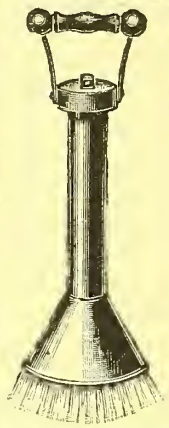
RECENT RESULTS.

FAIRCHILD SCHOLARSHIP EXAMS.

1916 — Mr. J. C. DAVIES—Welsh Prize, £5.
Second on List for United Kingdom.
Mr. A. V. DAY—English Prize, £5.

£165 already won by Students of this College

The Secretary, BATH COLLEGE OF PHARMACY, 6 Cleveland Place East, BATH.



THE

ANTI-ZEPP Electric Hand Lamp

This Lantern has been specially designed to comply with the present lighting regulations. It can be carried about the house without any possibility of the light showing through a window or doorway (for doing which many persons have been heavily fined), yet it
GIVES A GOOD LIGHT ON THE GROUND directly in front of the user.

Complete 8/3 each.

SOLE MAKERS—

ARCHIBALD J. WRIGHT, Ltd.

61 Eden Grove, Holloway, London, N.

Net Trade Prices, complete 5/-.
Refills (our No. B30) Ordinary Quality 10d.; "Ever Ready" 1/-

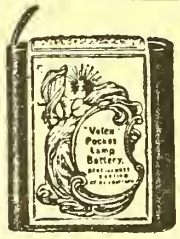
Ward & Goldstone

SALFORD MANCHESTER

Write for Lists—(Box 14), Sampson Works, SALFORD, MANCHESTER.
Phone: 7083-6 Central. Tel.: "Multum Manchester."

THE "DUCHESS" WAISTCOAT POCKET ELECTRIC LAMP.

Most reliable. Fitted with bull's eye lens, heavily nickelled caps. Recommended for Export. Complete with Refill and Bulb. Price **30/-** doz. net.

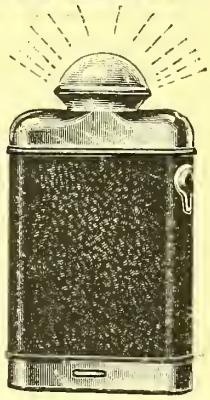


"VOLEX" POCKET LAMP BATTERIES.

British Manufacture. Made of the finest chemicals and finished by a special process to ensure maximum life. Highest grade. Prices on application.

THE "RED CROSS" COIL.

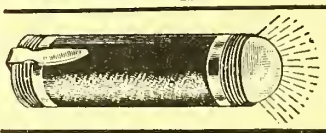
British made. Size of Case, 8½ × 6×5 in. No. N 5/21. Price **22/-** net. Fitted with high-speed trembler Make and Break which ensures a steady soothing current; can be regulated from mild to powerful. A reliable lasting Dry Cell is concealed in Case, which can be renewed in a few moments.



SPECIAL LINE. No. 307. British Made Pocket Lamp Case complete with ¾-in. Lens, Battery and Metal Filament Bulb — *per doz.* **12/9** *net.*

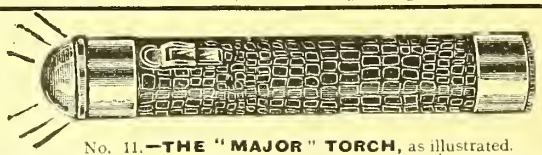
The following prices are per dozen net, and include reliable Batteries and special Tungswire Metal Filament Bulbs.

Complete with Refills and Best Bulbs. DESCRIPTION.	1¼ lens. No.	1¼ lens. Dz.	1¾ lens. No.	1¾ lens. Dz.
Popular quality, assorted covers, polished fittings ..	310	16/8	903	18/-
Medium quality, leatherette covers, nickelled fittings ..	325	18/8	905	20/-
Superior quality, in best leatherette covering, heavily nickelled	324	23/8	904	25/-
De Luxe quality, real leather covering, and heavily nickelled	423	30/-	S20	33/-



THE "TROPHY" TORCH. *A full-size Torch of Remarkable Value.* No. N21/42, size 9 in. long, complete with 3-cell battery and bulb, **4/-** net.

THE "CLIPLITE" TORCH, as above, but 6⅝ in. long. Complete, **3/-** net.



No. 11.—**THE "MAJOR" TORCH,** as illustrated. Size, 9½ × 1½ ins., complete with bulb and battery, **6/3** each net. Also supplied with real leather covering, De Luxe model, complete, **9/6** each net. Best quality Refills, 7 × 1¼ ins., **1/6** each net.

No. 41.—**THE "KIT" TORCH.** Similar to above but shorter, to take a 2-cell battery; most portable and convenient; quite reliable for export. Size 7 × 1½ ins., complete, **5/6** each net. Best quality Refills, 4¾ × 1¼ ins., **1/3** each net.

No. 24.—**THE "OFFICER" TORCH.** High-class Inspection Torch, similar to "MAJOR," with most powerful reflector and 2½ in. lens. Size, 10½ × 1½ ins., complete, **7/9** each net. Best Refills, 7×1¼ ins., **1/6** each. Spare Bulbs, **-/6** each net.

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NEW IMPROVED LENS FINDER

The only Easy Reading Magnifying Clinical Thermometer on the Market.

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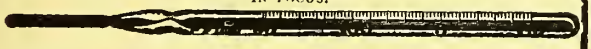

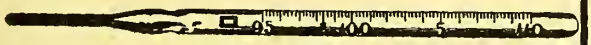

OUT OF FOCUS.

The square mark engraved on lens front locates the Mercury Column immediately.

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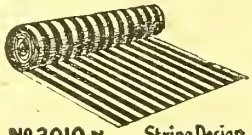

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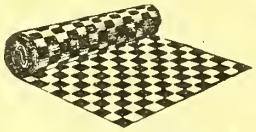

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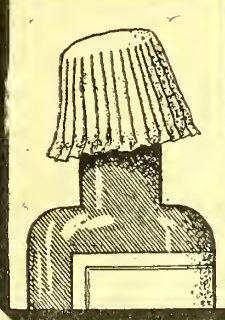

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CONTENTS: No. 47 (Series No. 1921), Vol. 88.

	PAGE		PAGE
Annotations	46	Information Department	42
Associations' Winter Session	40	Insurance Act Dispensing	49
Austrian News	38	Irish News	37
Bankruptcy Reports	39	Legal Reports	39
Coming Events	33	Medical Gleanings	42
Correspondence:		Military Tribunals	34
Letters	54	Netherlands Notes	38
Subscribers' Symposium	55	New Companies	39
Legal Queries	55	Observations and Reflections	43
Miscellaneous Inquiries	56	P.A.T.A. Council	42
Dandelion-root	42	Personalities	39
Deaths (David Howard)	48	Retrospect	56
Editorial Articles:		Russian Trade	35
Wisdom of a Councillor	44	Scottish News	37
Poisoning Sparrows; Chemical Society; Essential Oils in U.S.P.	45	Sir Walter Morgan, Bart.	47
English News	35	The Ideal Pharmacist	34
European War	33	Trade-marks	46
French News	37	Trade Notes	39
German News	38	Trade Report	51
		Westminster Wisdom	50
		Wills	48

Coming Events.

Sunday, November 19.

Pharmacist Volunteer Training Corps, Brockwell Park, London, S.E., at 10 A.M., dismantling of Exhibition. At Duke of York's, Chelsea, Section 5 and Recruits will parade for squad drill and sanitation lecture.

Monday, November 20.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Dr. Charles Carpenter on "Chemistry and Engineering."

Tuesday, November 21.

West Bromwich Pharmaceutical Association, 53 High Street, at 8.30 P.M. Ordinary meeting.

Wednesday, November 22.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Mr. J. P. Gilmour on "The Pharmaceutical Journal."

Manchester Chemists' Assistants' Association, Clarion Café, 50A Market Street, at 8 P.M. Social evening and supper, to which ladies are invited. Tickets, 1*s.* 6*d.* each, from Mr. W. Jones, Hon. Secretary, 45 Newland Street Higher Crumpsall.

Pharmacist Volunteer Training Corps, 17 Bloomsbury Square, London, W.C., at 2.45 P.M. Bacteriological classes by Dr. E. Burnet. Repeated on Thursday.

Thursday, November 23.

North London Pharmacists' Association, St. Padarn's Hall, Salterton Road, Seven Sisters Road, Holloway, N., at 3 P.M.

Ealing Pharmacists' Association.—A whist-drive will be held at Boul's Restaurant, Sandringham Parade, on November 29, at 7.30 P.M. Tickets (3*s.* each) from Mr. Arnold Roberts, 171 High Street, Acton, W.

European War News.

Import and Export Notices.

France.—The "Journal Officiel" (October 27) publishes the following additions to list of goods the export of which is prohibited: Formic acid, oxalic acid, albumen, chemical matches, amomum and cardamom, benzyl benzoate, ethyl benzoate, borate of lime, cassia lignea, couch-grass, chicory (burnt or ground), chlorine (combinations of), chloride of carbon, colchicum, dextrin, tinctorial extracts, gluten flour, volatile oils, kaolin, mace, honey, nutmegs, radium and its salts, turpentine (products containing essence of), tetrachloride of carbon, and vanilla. The "Journal Officiel" (October 29) publishes a further decree cancelling prohibition of export of above goods when destined to allied countries.

Germany.—According to a decree of the Imperial Chancellor of October 17, 1916, the exportation and transit of succinic acid, amber oil, and glass feeding-bottles are prohibited. A decree of October 13 prohibits the exportation of salt and saline solutions; another decree of October 13 prohibits the transit of condensed milk and milk-powder, except milk-preparations that have been made in Switzerland.

Italy.—The exportation of crude and refined beeswax has been prohibited.

Netherlands.—The exportation of chestnuts, beechnuts, and acorns is prohibited.

Turkey.—Opium and otto of rose are two products which Turkey endeavours to export as freely as possible, but chemicals and medicinal products are debarred from exportation unless a sufficient quantity is in stock for home use.

Personalia.

Lieutenant Marlar, son of Mr. J. F. Marlar, chemist and druggist, Colchester, is in hospital at Oxford, having been wounded during recent fighting in France.

Cadet C. F. Carr, of Fitzhugh & Carr, Nottingham (late of Sheffield), has been gazetted Second-Lieutenant, and joined the 4th Battalion of the Notts and Derby.

Second-Lieutenant Kenneth V. Norman, son of Mr. Valentine Norman, dispensing chemist, Godalming, has been severely wounded while leading his men into action.

Lieutenant T. Roberts, an apprentice to Mr. F. R. Sergeant, dispensing chemist, Nottingham, now home on leave after convalescence, has been initiated into Masonry.

Captain W. R. Ritch, Scottish Rifles, has been gazetted to the temporary rank of Lieutenant-Colonel. Captain Ritch was formerly the Scottish representative of Sparks, White & Co., Ltd.

Lieutenant Jack Shipway, Royal Field Artillery, who enlisted in the R.A.M.C. soon after the war started, whilst with Boots, Ltd., at Stroud (Glos.), has been wounded, and is also suffering from shell-shock.

Corporal Eaglesfield, of the King's Liverpool Regiment, who has won the Military Medal, enlisted from the dry-room of Evans Sons Lescher & Webb, Ltd., Liverpool. His father was head of the department.

Second-Lieutenant R. Aubrey Maund, of the East Surrey Regiment, who has been awarded the Military Cross, is a Worcester man, and was a chemist's assistant before enlistment. He is not yet twenty years of age.

Private R. A. Richards, King's Liverpool Regiment, reported from France as missing since October 12, joined the Colours last November while an assistant with Mr. J. Righton, pharmacist, Lord Street, Southport. He went to the Front in July 1916.

Cadet Sydney Alf Parkes, only son of Mr. G. J. R. Parkes (of The British Drug Houses, Ltd.), Nottingham, has been gazetted Second-Lieutenant, and is to take up his duties in the Machine-gun Corps at once. He has already seen active service in France, and returned home injured.

Sergt.-Major T. P. Brett, Civil Service Territorials, has been awarded the Military Medal for bravery. While attacking with the City of London Regiment he rallied the men after every officer had been put out of action, and, returning to the attack, drove the Germans back with slight casualties to his own men. Sergt.-Major Brett is a pharmacist, and is connected with the firm of Hooper & Co., Leys Avenue, Letchworth, Herts.

Second-Lieutenant Colin Bishop Callander, of the Royal Munster Fusiliers, recently awarded the Military Cross for bravery in cutting the enemy's wire, is the son of the late Mr. W. Callander, chemist and druggist, for many years

in business at Cornhill, Ilminster. He visited his native town on November 2, and was presented by the townspeople and the pupils of the Grammar School (of which he is an old boy) with an inscribed sword.

Miscellaneous.

Enemy Firms to be Wound Up.—A Thospann & Co., Ltd., 9 Foro Street Avenue, London, E.C., dealers in and agents for cameras and photographic materials. *Controller*: T. D. Hawkin, Whitehall House, Charing Cross, London, S.W.—Radium, Ltd., 93 Mortimer Street, London, W., dealers in radium-preparations. *Controller*: C. R. Beeby, 66 Basinghall Street, London, E.C.

Black-listed Firms.—The "London Gazette" (November 10) contains an Order in Council making a large number of additions to the statutory list of firms abroad with whom persons or corporations carrying on business in the United Kingdom are prohibited from trading. The names of new firms on the list fill six columns of the official publication, and there are also variations in previously published lists. The list covers firms in Argentina and Uruguay, Bolivia, Brazil, Chile, Colombia, Denmark, Ecuador, Greece, Japan, Liberia, Morocco, Netherlands, Netherlands East Indies, Norway, Russia, Peru, Spain, Sweden, and Venezuela.

Military Tribunals' Decisions.

Barnet.—Exemption was refused for Rowland Ramsden, assistant with Mr. W. Parry Jones, dispensing chemist.

Bath.—Mr. D. J. Williams, Ph.C., Principal of the Bath College of Pharmacy, was granted conditional exemption.

Bermondsey.—Three months' exemption was granted to the manager of F. Lloyd & Co., charcoal-powderers, who is also managing director of a company producing antimony.—The man in charge of the saltpetre-mills of Brandram Bros. & Co., Ltd., was granted two months' extension of his certificate of exemption.—Exemption until January 1 was granted to a manager with W. A. Smith & Co., oil-distillers, Rotherhithe.

Canterbury.—Exemption until December 31 was granted to Mr. A. C. W. L. Mitchell, chemist and druggist, with Boots, Ltd.

Cowes.—Exemption until December 1 was granted to R. M. Wilkins, assistant to Mr. F. W. Beken, dispensing chemist.

Glasgow.—At the meeting of the Tribunal last week the trustees of the estate of a deceased chemist and druggist applied for the exemption of the manager of the business. It was stated that during 1915 nearly 12,000 Insurance prescriptions were dispensed in the shop, and the proprietor was preparing to pass his Final examination for the medical profession, but broke down owing to the reduction of his staff and consequent worry. His estate consisted solely of the shop, and the income derived from it supported his widow and three children. Exemption for three months was granted.

Halstead.—Conditional exemption was granted to Mr. H. B. Coles, dispensing chemist and optician.

Hindhead.—Two months' exemption was granted to Mr. A. F. Chatfield, chemist and druggist, The Huts Pharmacy.

Hungerford.—Exemption until January 31 was granted to Mr. A. H. Bingham, chemist and druggist.

Ilfracombe.—Conditional exemption was granted to John Lee, assistant with Mr. W. J. Moon, chemist and druggist.

London.—The Appeal Court refused exemption to a lanoline-maker working a secret process.

Oxford.—Conditional exemption was granted to T. J. Walklett and F. G. Walklett, nephews and assistants with Mr. G. J. Walklett, dispensing chemist.

Sheffield.—Exemption until November 30 was granted to F. R. Clark, assistant with Mr. Percy Carr, dispensing chemist; until December 31 to Oliver Wright and Ernest Waterhouse, wholesale druggists; and until January 31 to Harry Burdall, manufacturing chemist.—Mr. J. J. Carter, manufacturing chemist, was exempted under a munitions order.

Shoreditch.—Exemption for two months was granted to F. W. Pearce, traveller for J. H. Stedman, patent-medicine manufacturer, New North Road.

Southend-on-Sea.—A salesman with Boots, Ltd., was exempted until February 1.

Stamford.—Exemption was refused for Stanley Brown, assistant with Mrs. F. Dickinson, and deferred for medical examination in the cases of B. E. Pitt and J. H. Shelton.—The case of C. R. Stanyon, with Mr. J. S. Prior, Ph.C., was deferred.

Wantage.—Exemption was refused to J. W. Stewart, assistant to Clegg & Son, chemists and druggists.

Wellington (Somerset).—Three months' exemption was granted to W. Bisset, employed by Walter Gregory & Co., Ltd.

The Ideal Pharmacist:
With Remarks on his Pharmacy.

The meeting of the Liverpool Chemists' Association on November 8 was reported in the *C. & D.* last week (p. 51). Mr. F. W. Bates, J.P., President of the Federation of Lancashire Associations, whose address on "The Ideal Pharmacist and his Pharmacy" was briefly summarised, began by expressing diffidence in addressing "one of the most prosperous Associations in Great Britain," one of whose members was "a real live Councillor, through whom you can receive all the latest phases of pharmaceutical politics." He said the apprentice in the good days still to come should be a youth who had been finally educated at a secondary school and had already passed some examination equivalent to the Pharmaceutical Preliminary standard, one in which Latin had not been left out. This boy would have been transferred, probably by a scholarship, from an elementary school to the secondary school at twelve years of age. Pharmacists would never be able again to demand premiums with apprentices, but they would have to be paid wages as in most trades. During his apprenticeship the youth should obtain a fair knowledge of counter-work, general trade and packing, and some dispensing. A person dispensing a prescription should instinctively know that the dose is not excessive. He denied that a dispenser could be made in six months. The time is coming when some sort of Assistant examination would have to be evolved, but they must be careful not to raise up a body of examined assistants who fall short of an examination in pharmacy, pharmacy law, business methods. They should know how to take stock and to draw up a balance-sheet. There is a real danger that the woman assistant, so very useful and valuable just now, may supplant the young man of greater attainments and ambition. The ideal assistant should be prepared, after a series of experiences, to go to a recognised school to be trained for his Qualifying examination—a course which would add to the medical and popular appreciation of the young man in his profession. Dealing with the entrance of the pharmacist into business on his own account, Mr. Bates commended the selection of a pharmacy in a single row of shops among good residential houses. Business brings business, as is witnessed in Oxford Street, London, since new life was put into that street. That is so every day when extensive advertising is started. Someone started, say, extensively advertising dandelion syrup, and in a short time the individual pharmacist began to make money by selling it, and would do so as long as the original adventurer expended money on advertising. Human nature is exceedingly imitative, but he doubted if there is any nation in the world, except the Americans, who are so much impressed by the outrageous claims of some proprietary medicines as the English. This blind faith is surprising. An otherwise very intelligent lady told him the other day that So-and-so must be good—the newspapers spoke so well of it. (Laughter.) Having deprecated the endorsement of some nostrums by qualified pharmacists, he said every medicine sold under a Government stamp should display clearly the names of the principal and potent ingredients. The status of the pharmacist (Mr. Bates went on to declare) is certainly improving. In his connection with Insurance Committees and in the very difficult negotiations with the medical men, the pharmacist had generally held his own, and his opponents had a respect for his independence and fighting spirit. One of the obvious duties of the pharmacist is to join his local Association and his Society. When they got the Pharmaceutical Society so rich as to pay local Associations 2*s.* 6*d.* to 5*s.* for every guinea subscription they received, they would have every man automatically allocated to his local Association. Entrance should be through the Society, whereas at present men could receive all the information, advice, and protection without paying a penny to the coffers of the Society. After providing for his family, the ideal pharmacist should take a part in local government and aspire both to the chairmanship of his local Association and the presidential chair of the Pharmaceutical Society. Dealing with stock-

Mr. F. W. Bates.

taking, which he thought might be undertaken by experts sent out by accountants, he said few pharmacists really knew where they stood—a serious omission in view of the increasing income-tax. Pharmacy is a rotten business to make money out of; the successful men have always a side-line that brings them fortune. Still, though pharmacy is poorly paid, he liked it better than anything else. He feared, however, that as a craft pharmacists are becoming simply salesmen instead of producers, the wholesale packers doing everything to hand. Then the grocer is trespassing on the domain of the pharmacist—*e.g.*, by selling rose-water. Where should the pharmacist specialise? He saw nothing possible except making the dispensing more prominent—the doctor to prescribe, the pharmacist to dispense. The way in which the pharmacists had done their bit in war-time—with Volunteer Sanitary Corps, as in Liverpool, supplying assistants to Red Cross hospitals, ambulance-work, etc.—must eventually give them their right, as trained men, in dispensing. The National Insurance Act brought suddenly to men in poor districts, who had no dispensing business, fifty to a hundred or more prescriptions a day, and how well they did the work! What panel pharmacists now have to do is to persevere until they secure more adequate payment for their work and responsibility. (Hear, hear.) Their safe anchorage is in the dispensing-charge. The public do not realise how badly pharmacists are paid. Let the leaders of the pharmacists make up their minds, during the next few months, what is the irreducible minimum for the work. Let them put a clear issue before the profession, and support will be given. It will not be possible for the dispensing to be done by the doctors or in State pharmacies with satisfaction to the insured. Our leaders must lead us, or else we shall supplant them with men who will. Pharmacy wants advertising, and wants it badly. Our Society has been doing great things for the War Office and the Government generally, and we want the public to know it. A smart advertiser in the Square would have had the fact in every newspaper. We want several members of Parliament, as many pharmacists as possible (and not all of one political tint, please), and more members of Parliament interested in our case. Glyn-Jones has done wonders, and he will have a splendid successor in Woolcock—best leader we ever had—but we want more of them; and we badly want more sympathy with the House of Lords. How often have we been told that the Privy Council stops the way! The only way to counteract that is to get on our side men of influence and standing. In conclusion, Mr. Bates said loyalty and unity would lead to pharmacy being properly recognised and adequately recompensed. (Loud applause.) Supplementing his paper with a few words as to the future, Mr. Bates said the Pharmaceutical Council seemed to excel in turning out the Press, but this secrecy cannot be allowed to continue. As to the profits on poisons, he doubted if 80 per cent. of the pharmacists made 5*s.* a week each on poisons. In England a profession was created but not protected. He was strongly of opinion that if something is not done by some trade combination, retail chemists will go under. Only by combination is there any chance against the great capitalists. He advised pharmacists (1) to preserve their dispensing, (2) to stick to National Insurance like grim death—he did not think the National Insurance work would decline, but that the dependants of the insured people would be added to the list, (3) secure better prices for panel work, (4) education—the only way to improve any body of men being to educate them more, (5) gradually and surely raise the standard of entrance into pharmacy. (Applause.)

Analysts' Reports.—At Walsall two samples of olive oil and three of camphorated oil were analysed and found to be genuine. The public analysts for Sheffield report to having found genuine two samples of pepper and one of compound liquorice powder. In Hertfordshire during the past quarter one sample each of the following were examined with satisfactory results: Camphorated oil, cod-liver oil, compound liquorice powder, Epsom salt, and seidlitz powders.

The Efficiency of Soft Paraffin as an intestinal lubricant was very well illustrated recently at the dispensing-counter of an Edinburgh pharmacy. A small tin of the material had been left open on the counter overnight. During the night mice had discovered the "jelly," and apparently had partaken freely of it. In the morning, traced on the counter in thin even lines of soft paraffin, was a beautiful maze of zig-zag, criss-cross lines, resembling the productions which we see in the daily papers labelled "War maps." The product probably had not enough "staying" property to please the rodents; they have declined frequent invitations to indulge again.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Trade with Russia.

At the monthly dinner of the Sales Managers' Association, held at the Holborn Restaurant, London, W.C., on November 16, Mr. W. H. Beable, who has just returned from a 15,000-mile trip of business investigation in Russia for the Anglo-Russian Trade Commission, gave an interesting address dealing chiefly with the possibilities of trade with that country. The importations into Russia, he said, have been, in round figures, 100 millions sterling a year, of which, roughly, 60 millions was contributed by Germany and 10 per cent. by England. The most pronounced movement in Russia to-day is, and after the war will be, the development of Russia's own manufacturing industries. With practically all her ports closed, Russia is realising to-day more than ever how much she has been dependent upon foreign sources of supply, and how thoroughly she has been exploited by Germany. The feeling against Germany is very bitter, but even the friendship for England and France will not be permitted to allow these countries to exploit her as has been done by the enemy. Mr. Beable called attention to the necessity for immediate preparation and investigation of Russian trade, in which this country held special advantages for two or three years. He laid stress upon the importance of individual effort and enterprise, and although the Government could do a great deal, their efforts would be of little use unless seconded by the manufacturers' initiative. It is not necessary, he said, slavishly to copy German methods by taking enormous risks, giving long credits, and adopting a spy-system. He believed a safe and profitable trade could be done on comparatively short terms of credit if precautions are taken in ascertaining the *bona fides* of agents and purchasers. Russian conditions must be met to some extent—*i.e.*, goods must be delivered to a Russian port instead of f.o.b. England; catalogues must be printed in the Russian language and give the equivalents of English weights, measures, and currency in Russian terms. The question of credits and agencies was dealt with by Mr. Beable at length, who also made some valuable suggestions in criticising our Consular system. Concluding, Mr. Beable said there are possibilities of business in Russia beyond the dreams of avarice, and we can get our share if we approach the question in the right spirit and if we adopt the right methods.

Birmingham.

Birmingham is supplying the lady commercial traveller on a fairly large scale. Every Monday sees many leave the city on their rounds in various parts of the country.

The Birmingham Eye Hospital has established an enormously powerful magnet installation for the removal of metal splinters from the eyes. Mr. Ernest Meggeson is the dispenser at this institution, and has charge of the apparatus.

A well-known suburban pharmacist was extolling, with not a little gesture and much *suaviter in modo*, one of his preparations to two of the gentler sex customers, when at the finish one exclaimed to him, "You would make a good subject for a film!"

"Uffculme," Moor Green, the house built as a residence by the late Richard Cadbury, has been offered by Mr. and Mrs. Barrow Cadbury to the Government as a hospital for wounded soldiers, and the offer has been promptly accepted. The house has pleasure-grounds attached, and is next to Highbury, the residence of the late Joseph Chamberlain, which is also used as a military hospital.

The local papers notify that the pharmacists of Birmingham are organising an Ambulance Corps, which when formed will apply to the Warwickshire Volunteer Training Corps for permission to be attached to them. Mr. Harold Rayne, 28 Bath Row, Birmingham, and Mr. B. Gretton Watson, pharmacist, Alcester Lanes End, are the leaders in the matter, and the latter has issued a postcard to those interested asking them to give names and addresses.

Liverpool.

Mr. Samuel Hardy, dispensing chemist, devotes a central window-display at Pearl Buildings, John's Lane, to Ven-Yusa, the non-greasy toilet-discovery.

Mr. Henry Ball, Ph.C., who has completed a most creditable year of office as Mayor of Southport, this week introduced his successor to the Magisterial Bench.

The practical paper by Mr. F. W. Bates last week was enlarged by many interpolations and side-lights. His high ethical tone was emphasised by an incidental condemnation of window-displays of any article which the selling pharmacist could not commend.

On the question of stocktaking by retail chemists and druggists, which is much in mind at present, the ideal system put forward is dual. The stocktaking expert from the wholesale house hands his sheets to an expert accountant, who does the rest. Experience shows that the experiment proves economical.

"Afternoon or evening meetings?" is a subject of discussion among the members of the Liverpool Chemists' Association. No one relishes the dark nights and darker streets. Likewise the younger men in the suburbs do not wish to lose a chance of a fine-weather holiday on a Wednesday afternoon. So far the record is for an afternoon meeting.

A pharmacist who has a lock-up shop relates an incident which may furnish a valuable suggestion to many other men in the profession. He carried home for reading a recent copy of the *C. & D.* This fell into the hands of his wife, who spent a profitable hour in reading the advertisements. On her recommendation he added several "ladies'" toilet and "domestic" articles to his stock, all these selling well.

Sheffield.

Private P. Wright, who before joining the Colours was at Mr. G. Squire's Haymarket pharmacy, has been wounded.

Mr. Percy Carr has appealed against the Tribunal's decision in exempting his assistant until December 31. The date has been made November 30.

Mr. Jesse Reynolds, Sheffield district manager for Boots, Ltd., has been fined 10*s.* for having an uncovered light at the works in Bridge Street, Sheffield.

The Sheffield University is first in forming a British Society of Glass Technology, with Dr. W. E. S. Turner as Provisional Secretary. The object of the Society is to bring manufacturers in closer touch with one another and with men of science.

Mr. T. F. Burdekin, dispensing chemist, Bellhouse Road, gives special attention to his window-displays, keeping in view the season of the year. At present he has a dainty show of emulsions, Thermos flasks, and kindred goods, backed throughout with a salmon-coloured material.

Although suburban chemists have mostly kept late hours, the appeal by the Pharmaceutical Committee for some uniformity in the matter has settled this. In every case the pharmacies will be closed not later than eight o'clock, and 9 P.M. on Saturdays. In many cases 7 P.M. has been chosen as the hour of closing during the unsettled state of the street-lighting.

Miscellaneous.

The Huddersfield Chamber of Trade on Monday last, at the annual meeting, unanimously elected Mr. R. C. Walshaw, chemist and druggist, as President for the coming year.

Mr. Wm. Woolley, J.P., manufacturing chemist, Blackburn, has been complimented by the Chief Constable for the assistance that he gave an officer who was arresting an unruly prisoner.

Theft.—At Bournemouth on November 1, Geo. Booker, porter, was sentenced to three months' hard labour for stealing goods valued at 6*l.* 14*s.* 5*d.* from Messrs. Lawrence, chemists and druggists, by whom he was employed.

Lighting Offences.—Mr. Edward Lewis, chemist and druggist, of Timothy White Co., Ltd., 24 Chertsey Road, Woking, has been fined 40*s.*, and Mr. S. A. Doidge, chemist and druggist, manager for the company at Yeovil, 5*s.*, for breaches of the lighting regulations.

Early-closing Association.—The Lord Mayor will open the new offices at 34-40 Ludgate Hill, London, E.C., on November 27 at 3 P.M. The Association is intending to register under the Companies Act, and a meeting of members and subscribers has been called for the same day.

Mr. George Whysall (Whysall & Son, chemists and druggists), Grantham, has opened a high-class toilet-saloon on the first floor of his premises in the High Street. A specially selected staff has been engaged, and the departments will include manicuring and chiropody treatment by experts.

Association of British Chemical Manufacturers.—Mr. F. H. Carr and Mr. D. L. Howard have recently been elected to the Council of this Association.—Application has been made for a licence directing that the Association may be registered under the Companies Act without the addition of the word "Limited" to its name.

Dyestuffs Research.—Professor A. G. Green, F.R.S., director of the new department of Coal-tar Chemistry and Dyestuffs Research in the School of Technology, Manchester, delivered a lecture on "Dyestuffs and Explosives" on November 7. He showed the importance of aniline-dye making as a "key" industry owing to the same raw materials being required for the manufacture of explosives. The training of research chemists is to be developed in the new department.

At the Pembroke Dock County Court, Mr. W. H. Bowling, chemist and druggist, sued Mr. James A. Richards, a farmer at Laugharne, for 5*l.* 1*s.*, damage to a trap and harness belonging to the plaintiff, of which defendant was bailee. There was a counterclaim for 3*l.* 3*s.* for the keep of plaintiff's horse and storage of trap. Judgment was given for the plaintiff, and the counterclaim was dismissed, defendant to pay the costs.

Earlier Closing.—The Chester City Council has issued a Draft Order for chemists and druggists to close at 9 P.M. on Monday, Tuesday, Thursday, and Friday; 1 P.M. or 10 P.M. on Wednesday; and 10 P.M. or 1 P.M. on Saturday; with 10 P.M. on the day before Good Friday, or on any weekday immediately preceding a public holiday. Objections or suggestions relating to the Order must be sent to the Home Secretary before November 28.

Hospitals and Spirit-duty.—In recognition of the part which he played in securing the grant from the Treasury to relieve hospitals of the duty on spirits used in connection with medicines, Mr. W. Clive Bridgeman, M.P., was on November 15 entertained at a complimentary dinner by the Association of Hospital Officers at the Trocadero Restaurant. Mr. Fitzalan Hope, M.P., who acted as Chairman of the Departmental Committee which made the recommendation, was unable to be present owing to his Parliamentary duties.

Raw Materials for the Empire.—An Inter-Departmental Committee has now arranged the respective spheres of work and co-operation, in dealing with commercial inquiries, of the new Commercial Intelligence Department of the Board of Trade and the Imperial Institute. In future the Technical Information Bureau of the Imperial Institute will answer all commercial inquiries respecting the sources of supply, technical uses, and value of raw materials within the Empire, and will be responsible for supplying all information required in order to bring the producer overseas in touch with the manufacturer at home.

Royal Society.—Among the medals awarded by the Royal Society are the following: A Royal medal to Dr. John Scott Haldane, F.R.S., for his services to chemical physiology, especially in reference to the chemical changes of respiration. The Copley Medal to Sir James Dewar, F.R.S., for his investigations in physical chemistry, and especially his researches on the liquefaction of gases. The Rumford medal to Professor William Henry Bragg, F.R.S., for his researches in *x*-ray radiation; and the Davy Medal to M. le Prof. Henri Louis le Chatelier, For.Mem.R.S., for his researches in chemistry.

Opium and Cocaine.—A fine of 300*l.*, with the alternative of three months' imprisonment, was passed at the Thames Police Court, London, on Chay Fook, on whose premises in Poplar were found 480 half-pound tins of opium and a quantity of raw opium; the total value of the opium was said to be 1,866*l.* It was stated that Chay Fook was agent for a rich syndicate, which used him and his premises for disposal of the opium.—At Liverpool, Ku Loi, a Chinese boarding-house keeper, was fined 50*l.*, or fifty-one days' imprisonment, for being in the unlawful possession of thirteen one-pound tins of opium; and three other Chinamen were each fined 20*l.*, or twenty-one days' imprisonment.—At Marlborough Police Court, London, on November 10, Robert Rosborough, a corporal in the Canadian Mounted Rifles, was sentenced to six months' hard labour for being an unauthorised person having a quantity of cocaine in his possession. After that he will be deported. The Magistrate (Mr. Mead) said he would give the full sentence for dealing with this pernicious habit.

Poisoning in Victoria.—Figures obtained from the Government Statist by the Pharmacy Board of Victoria show deaths from poisons during 1915. Of suicides ten were due to lysol, one to carbolic acid, and two to phenyle—*i.e.*, thirteen out of a total of twenty-five deaths. Strychnine, used in seven cases, was the only other poison among suicides that rose above two. In seventeen accidental cases three were due to lysol, one to carbolic acid, and one to a coal-tar product.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

The Local Government Board have complained of the excessive orders for drugs in the Dromabar dispensary district of Manorhamilton Union.

Mr. D. D. Madden, A.R.C.Sc.I., has been appointed head of the chemistry department in the Crawford Municipal Technical Institute, Cork.

At Ennis, co. Clare, W. J. Burke, described as a dentist, was charged with administering cantharides to a young woman named O'Sullivan. He was remanded in custody.

Mr. W. F. Wells, Ph.C., 20 Upper Baggot Street, Dublin, has taken Mr. David Warnock, Ph.C., who for some years has been his principal assistant, into partnership, and the title of the firm will in future be W. F. Wells & Co.

The trade creditors of William Gardiner, registered druggist, 64 York Road, Belfast (*C. & D.*, November 11, p. 41), include: Alex. Millar, jun., & Co., 12*l.*; Samuel Gibson, 9*l.*; Ayrton, Saunders & Co., Ltd., 8*l.*; D. & W. Gibbs, Ltd., 7*l.*; Goodlass, Wall & Co., Ltd., 9*l.*; Robert Blackie, 6*l.*; Fassett & Johnson, 5*l.*; Lever Bros., Ltd., 5*l.*; Chemists' Sundries, Ltd., 4*l.*; Condy & Mitchell, Ltd., 5*l.*; Veno Drug Co., Ltd., 4*l.*; Lorimer Marshall, Ltd., 4*l.*; Saunderson & Co., Ltd., 4*l.*; H. Sharp & Sons, Ltd., 5*l.*; Vinolia Co., Ltd., 3*l.*; International Chemical Co., 3*l.*

Sir Bertram Windle, addressing a meeting of the United Irishwomen's Herb-growers' Association at Cork, stated that there is sufficient dandelion in the county of Cork to supply the whole civilised world. There is any quantity of bog-bean, while sloes, foxglove-leaves, and chamomile-flowers grow in great profusion in the county. Belladonna, henbane, and couch-grass would grow well in the district. He showed dry specimens of these drugs, and stated that at the University College a plot of land is being prepared for growing herbs, so that those intending to grow them could study the characteristics.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Dumfries Parish Council has accepted the tender of Low & Johnstone for medicines, etc., for six months.

Mr. John H. Low, dispensing chemist, Fraserburgh, is removing Burnett's pharmacy from No. 66 Broad Street to 77 Broad Street, opposite the present shop.

The carbon-bisulphide fire reported in our issue of November 4, p. 37, occurred on the premises of William Davidson, Ltd., wholesale druggists, Palmerston Road, Aberdeen.

Bo'ness chemists are closing at 7 P.M., except Wednesdays and Saturdays, when the respective closing-hours are 1 P.M. and 9 P.M. Some of the chemists in Berwick-on-Tweed close at 6 P.M. five nights each week.

At a meeting of the Edinburgh and East of Scotland Section of the Society of Chemical Industry on November 14, a presentation was made to Dr. J. P. Longstaff, London, the General Secretary of the Society, in recognition of his services as former Hon. Secretary of the Edinburgh Section.

Mr. John Peebles, chemist and druggist, Kirkcaldy, has for thirty-three years been superintendent of the Whytescauseway Baptist Church Sunday School, and has now retired from that office. Last week he was presented with a beautiful silver tray subscribed for by the children, teachers, and friends.

Glasgow.

James M. Spiers, chemist and druggist, Pollokshaws Road, Glasgow, has granted a trust deed for behoof of his creditors in favour of Mr. Osbourne R. Hatrick, 158 Renfield Street, Glasgow.

Mr. Thomas W. Steven, general manager of Young's Paraffin Light and Mineral Oil Co., Ltd., was run down by a taxicab in West George Street, Glasgow, last week, and died in the Royal Infirmary shortly after.

The Court of Glasgow University have resolved to accept the offer made some time ago by Major John Garroway to present an electric clock for installation in the tower of the university buildings. The clock will be furnished with a handsome dial on each of the four sides of the tower. The donor is identified with the firm of R. & J. Garroway, chemical-manufacturers, Glasgow.

Glasgow Parish Council contracts for six months include: Spirits of wine, J. & D. Macnair, 212*l.* 15*s.*; surgical and antiseptic dressings, Baird Bros., 1,027*l.* 3*s.* 7*d.*; medicinal oil, R. Motherwell & Son, 113*l.* 10*s.*; malt extract, W. E. Taylor, 75*l.* 15*s.* 6*d.*; extract of beef, Bovril, Ltd., 13*l.* 10*s.*; oxygen, British Oxygen Co., Ltd., 3*l.* 5*s.* 5*d.*; carbolic acid, F. C. Calvert, 48*l.* 1*s.*; carbolic acid, J. Calder & Co., 5*l.*; photographic material, Wm. Robertson, current retail prices, less 15 per cent. discount.

The Glasgow and West of Scotland Chemists' Association's November circular states that the Minister of Munitions was asked to allow the supply of glycerin in: (1) Glycerin and cascara; (2) cough-remedies prepared from domestic recipes; and (3) domestic recipes for cod-liver oil emulsion. The reply stated that no objection will be taken to the use of glycerin in the first case, but as regards the second and third he says:

"It is rather felt by the Department that to authorise the use of glycerin in these preparations would be giving rather too wide a licence, especially as regards cough-remedies, as experience has shown that many so-called cough-remedies are not of sufficient value to justify the use of glycerin, and in other cases it would appear that the glycerin might be omitted without in any way interfering with the action of the remedy. This Department hopes, however, that pharmacists will appreciate that the restrictions have only been imposed because they are necessary, and that their co-operation in carrying out the restrictions will be of direct national benefit at the present time. It is believed that if these circumstances are appreciated their co-operation should be assured."

Mr. A. Murray, 38 Heriot Street, Pollokshields, as Trade Secretary of the Association, is supplying cocaine and opium registers.

French News.

(From the "C. & D." Paris Correspondent.)

The French Office of Chemicals.—On the occasion of the second anniversary of the foundation of the French Office of Chemicals and Pharmaceuticals, M. Behal, the Director of this useful "war" institution, read a report summarising its history. He and his various collaborators were eloquently and suitably thanked by M. Clementel, Minister of Commerce, at the close of the meeting, for what they had done to aid the prosperity of French chemical industry.

Stupefying-drugs Prosecution.—The first prosecution of a pharmacist under the new Drugs Act came before the 8th Paris Police Court last week. The defendant was M. Louis Horcholle, rue de Grenelle, who had sold cocaine to a woman without the production of a prescription. The pharmacist, who is seventy years of age, pleaded that the woman was in an extremely nervous state, and that he gave her a small quantity out of pity, and in the hope that she would thus, by reduced doses, free herself of the habit. The Court sentenced him to 40*f.* fine and a month's imprisonment, and ordered that during the duration of his sentence the pharmacy should be closed.

Misplaced Enterprise.—A curious case of illegal practice of medicine is likely to come before the Paris Courts shortly, a summons having been issued against a pharmacist in the rue Grange-aux-Belles and his assistant. The premises are situated near the St. Louis Hospital, where gratuitous consultations are given at certain hours. The pharmacist stationed a man in livery at the hospital gates, who invited the crowd, "to avoid useless waiting," to enter the pharmacy. The shop bore the title "Pharmacy of the St. Louis Hospital," and this evidently led some to suppose that the premises formed part of the hospital services. Once inside, medicine was retailed to them in the usual way.

A Chemical War-contract.—In June 1915, Colonel Rudeanu, Rumanian Military Commissioner, passed a contract with M. Rozetti Roznovano, formerly a member of the Rumanian Parliament, for 50 tons of picric acid. The Rumanian Government paid into a French bank, the Comptoir d'Escompte, a sum of 10,000*f.*—25 per cent. of the value of the goods—as guarantee; and M. Roznovano similarly deposited 2,000*f.*, to be handed to the Rumanian authorities in case of non-execution of the contract. The contractor possessed no picric acid and failed to find any. The Rumanian Government has summoned him before the Paris Civil Tribunal to show cause why the contract should not be annulled and the 10,000*f.* repaid. Judgment was deferred for fourteen days.

Netherlands Notes.

(From the "C. & D." Correspondent.)

Mr. W. C. de Graaff, of Leyden, has been appointed professor of galenical pharmacy, pharmacognosy, and pathological chemistry of the Utrecht University, in the place of the late Professor H. P. Wijsman.

A "Jaarbeurs" on the lines of the Leipzig Fair is to be held in Utrecht from February 26 to March 10, 1917. The idea is to show the development of Dutch industries since the war, and already 380 firms have agreed to take part.

Chemical-industry in Dutch Colonies.—A new Dutch periodical, "De Nederlandsche Olie-Vet en Zeep Industrie," gives some details about the extension of the chemical-industry in the Dutch East Indies during 1915. In East Java the manufacture of iodine preparations from iodine-wells has been placed on a successful basis, nine factories, with a total of 365 labourers, being engaged in the industry in one form or another. Liquefied carbonic acid is also being manufactured in East Java. As sodium bisulphite, which is used in large quantities in the rubber and sugar industries, has been very difficult to obtain from Europe, two factories have taken up its manufacture in the Dutch East Indies. Two factories, with thirty-eight labourers, are making oxygen gas according to Linde's process, and sulphur dioxide is being made by two companies. Sulphuric acid is being made by the "Batavische Petroleum Maatschappij," but the high price that has to be paid for Japanese sulphur prevents a rapid development of the industry.

Austrian News.

The Linseed-crop was commandeered by the Home Department on September 12 at 100kr. per 100 kilos.

Hydrastis Canadensis is being cultivated in Austria by Dr. Hohr and E. Senft in the neighbourhood of the State woods. It is doing well.

Mustard-seed must be deprived by pressure of all but 12 per cent. of its fixed oil before it can be ground and used in making mustard.

Olive Oil for pharmaceutical purposes may only be used in Austria in making camphorated oil and other important medicinal preparations.

Gambier is almost unobtainable in Austria, and dyemakers are compelled to use a substitute composed of gambier and powdered tar residues.

Dearer Quinine.—Quinine and its preparations are very dear and scarce in Austria, so much so that the Austrian Government has been obliged to advance the prices of the supplies which it sells for malarial purposes.

In Hungary medicinal plants are to be grown and the proceeds given to the relatives of soldiers who have fallen. Some success in cotton-cultivation ten years ago is inciting people to try it again.

Afternoon Closing.—Owing to the scarcity of qualified assistants in Austria, pharmacists are allowed to close for one hour each afternoon, and during the whole afternoon on holidays in places where there is only one pharmacy.

Sulphuric-acid Scarcity.—In order to meet the scarcity of sulphuric acid in Hungary the use of the acid in the purification of mineral oils is prohibited. An exception has been made in the case of benzol and in that of mineral oils that are required for medicinal purposes.

Trade-marks Cancelled.—A recently issued Austrian Government Order empowers the Minister of Trade to limit or cancel the patent-rights and the rights in registered designs and trade-marks of British and French subjects on proof that such a course is for the public interest, and the rights of Russian subjects without such proof.

Cheaper German Chemicals.—The Society of Austro-Hungarian dealers in photographic articles sent a request to the Government some months ago urging that measures be taken to get German chemicals imported into Austria at about the same prices as are paid in Germany. Some results appear to have been obtained, as the Austrian Society of Photographic Dealers has received from the Berlin Central Committee for Export Licences the promise of an improvement in the direction indicated.

German News.

Cymarin, the active principle of the root of *Apocynum cannabinum*, is recommended by Wiesil as an excellent remedy in the place of digitalis.

Elarson is an arsenical compound prepared by Emil Fischer, which has been introduced in therapeutics by von Klemperer as a comparatively non-toxic substance. It is strontium chlorarsinosobehenolate, and is a slightly coloured powder, insoluble in water. Each tablet contains ½ milligram of arsenic.

Gold Wanted.—In order to increase the stock of gold in Germany, the University of Tübingen and the Technical Academy of Stuttgart are parting with their gold medals awarded for research during the past few years. They are to be replaced with medals of brass and iron, and the gold will be paid for in paper money.

War Botany was Professor Dr. A. Tschirch's subject at the meeting of the Deutsche Pharmazeutische Gesellschaft in Berlin last month. The purpose of war botany is to prevent the enemy starving us; so the Professor said, and mentioned plants which are used at present to replace drugs hitherto imported.

Pharmacy in Munich.—The new buildings of the Pharmaceutical Institute in Munich are to be opened shortly, the director being Dr. Theodor Paul. The Institute is replete with everything necessary for carrying out pharmaceutical and chemical research, and there is room for 200 students. The difficulty will be to fill the "benches."

Aromatic-plant Cultivation.—Dr. K. Krause, assistant of the Royal Botanical Museum, Berlin-Dahlem, in an article in the "Deutsche Parfumerie Zeitung," suggests that the cultivation of aromatic plants used in perfumery should be undertaken in Anatolia, Turkey, where the climate is well adapted for that purpose. If successful, then Germany would be independent of the South of France and Italy, whence most of these plants are derived.

Lubricants have now been commandeered for war-purposes. Mineral oils of a viscosity of less than 5° (Engler) at 50° C. may be sold, however, in quantities which do not surpass the maximum quantity that the purchaser requires in one month. Liquid paraffin may, in consequence, be used as before, but vaseline itself may not be sold by the pharmacists without special permission henceforth, nor may it be used for the preparation of ointments.

Salvarsan.—Several fatalities after the administration of salvarsan are reported in German papers. The Konigsberg University professor, Dr. Scholtz, has lost four of his patients, and the Munich University professor, von Zumbusch, three. The "Wiener Klinische Wochenschrift" reports two deaths from salvarsan, and the July-August issue of the "Archiv für Physikalischdiätet-Therapie" reports three cases of blindness, three deaths, and several cases of paralysis, etc., after the use of salvarsan.

Alcohol-prices.—The following figures show how steadily the prices (per hectolitre) of German potato spirit have risen since 1912: October 25, 1912, m.69.50; November 15, 1912, m.65.50; February 20, 1913, m.62.50; October 16, 1914, m.69.00; January 16, 1915, m.74.00; February 10, 1915, m.79; February 27, 1915, m.89; July 5, 1915, m.100; February 25, 1916, m.150; and October 12, 1916, m.230. The last advance shows how stringent the spirit-market has become since the war.

Censor and Pharmaceutical Press.—The "Apotheker Zeitung" has appeared lately with several large blank spaces in its literary columns, which suggests that the censor has been busy.—The Dutch "Pharmaceutisch Weekblad" is not allowed to circulate in Belgium, but the German pharmaceutical papers freely "lift" articles from their Dutch contemporary without acknowledgment. Lately Germany has barred neutral countries from receiving pharmaceutical papers, but there are ways of evading this exclusion.

Grenzach Chemical-works were established in Berlin on September 28, with a capital of 3,000,000m., to buy the chemical and pharmaceutical factories in Grenzach of F. Hoffmann, La Roche & Co., Basle. The new company has obtained the right to use all patents, trade-marks, etc., belonging to F. Hoffmann, La Roche & Co., and to manufacture all that firm's preparations. The Vienna branch of F. Hoffmann, La Roche & Co. will be a part of the Berlin business in future. The "Pharm. Zeit." states that the foundation of an independent firm in place of the branch establishment in Grenzach is probably due to the French sympathies which F. Hoffmann, La Roche & Co. are said to have held.

Legal Reports.

Middlesex Chemical Co., Ltd.—On the petition of Elton, Levy & Co., creditors for goods supplied, Mr Justice Neville, in the Winding-up Court on November 14, made an order for the compulsory liquidation of this company, for whom Mr. Owen Thompson said he could not resist the order being made.

Weights and Measures Act.—At West Ham Police Court, before Mr. Gillespie, on November 16, Mr. D. W. A. Desmond, chemist and druggist, 203 Plaistow Road, was charged with having in his possession an unstamped 1-oz. measure. Mr. C. H. Kirby, solicitor, appeared for the defendant on behalf of the Chemists' Defence Association. Possession of the measure was not denied. It appeared from the evidence that the measure was used solely in the sale of Friar's balsam, and it was proved that it was 145 minims short of the actual volume, 45 minims of this being due to resin deposited in the measure. It was also proved by witnesses for the defence that a stamped measure had been employed, but had been broken, and was replaced by an employé with one used in making photographic solutions. The Magistrate came to the conclusion that there was no intention of defrauding, and dismissed the summons on payment of 4*s*. costs.

A Phosferine Action.—In the Chancery Division on November 10, Mr. Justice Younger heard a motion by Ashton & Parsons, Ltd., wholesale chemists, against Mr. Edmund Dart, trading as the Dart Remedies Co. at 1 Market Place, Pontypridd (known as "Professor" Edmunds), for leave to issue a writ of attachment for alleged breach by the defendant of an injunction granted by Mr. Justice Sargant in March 1915, in a trade-mark and passing-off action. By the injunction defendant was restrained from passing off as Phosferine an article which was not the plaintiffs' production. Mr. Kerly, K.C., on behalf of the plaintiffs, stated that his clients are the owners and sellers of Phosferine. Defendant had been forbidden by an injunction from selling his compound as Phosferine. He had evidence that defendant had done this at Pontypridd. Defendant denied the allegation. His story was that he gave away the bottle of compound and sold a pamphlet for one shilling. It is obvious that defendant had put himself in a dangerous position. If defendant was willing to give an undertaking not to refer to Phosferine at all in selling his own medicine he would be content to drop the motion. Mr. Justice Younger asked defendant if he would give this undertaking? Defendant stated that he stood in the public way to sell his preparations, and he was questioned by the audience as to Phosferine and other medicines. He might remark that Phosferine spent 100,000*l*. a year on advertising—would he then be liable? In his lectures he had quoted the British Medical Association's report on "Secret Remedies." Mr. Kerly stated that he was prepared to accept an undertaking that the defendant should not refer directly or indirectly to Phosferine without saying at the same time that his medicine was not Phosferine. Mr. Justice Younger (to defendant): You cannot object to that? Defendant: I fully agree to it. The motion was then withdrawn on these terms.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Atlantic Chemical Co., Ltd. (P.C.).—Capital 10,000*l*. The subscribers and first directors are F. C. Goodwin and E. Gardner. R.O., 15 Water Street, Liverpool.

Farris, Ltd. (P.C.).—Capital 1,000*l*. Objects: To carry on the business of dealers in Norwegian natural mineral waters "Farris," etc. P. E. S. Hutton and B. Aagaard are the subscribers. R.O., 66 Fenchurch Street, E.C.

Tele-dis Services (Founders Co.), Ltd. (P.C.).—Capital 1,000*l*. Objects: To carry on the business of manufacturers of and dealers in lotions, polishes, pastes, patent medicines and chemicals, etc. R.O., 97 Queen Victoria Street, E.C.

Scott's Chemical Co., Ltd. (P.C.).—Capital 1,000*l*. Objects: To take over the business and assets of A. W. Scott and Edith L. Ogden, trading as the Dulc-o-do Co., manufacturing chemists, and to carry on the business of wholesale and retail manufacturing and analytical chemists, etc. A. W. Scott, chemist, 178 Sutherland Avenue, N.W., and Mrs. E. L. Ogden are the first directors.

Bankruptcy Reports.

Re Heber Jonathan Mason, 1A St. Mary's Walk and 21 Commercial Street, Harrogate, Drug-store Proprietor.—The liabilities in this matter amount to 177*l*. 12*s*. 8*d*., and the assets 97*l*. 11*s*. 4*d*. The failure is due to decline in the business during the last three years, and in particular since the outbreak of war.

Re John Wm. Surie, late of 19 Cullum Street, London, E.C., Produce-broker.—The first meeting of creditors was held at the London Bankruptcy Court on November 15. Mr. J. B. Knight, Official Receiver, reported that it appeared from the defendant's statements that he is a Dutch subject, who came to this country at Christmas 1909, he having previously carried on the business of a produce-broker in Rotterdam under the style of Robert H. Surie & Zoon. After the outbreak of the war trade with Holland became exceedingly difficult, the export trade fell away, and eventually, having come to the end of his resources, the debtor closed his business. The present liabilities are estimated at 8,000*l*. In the absence of any offer the case was left in the hands of the Official Receiver to be wound up in bankruptcy.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. A. E. Hobbs, Ph.C., 33 Mount Pleasant Road, Tunbridge Wells, has been placed on the Commission of the Peace for the borough.

Mr. E. P. Anthony, chemist and druggist, has been re-elected a member of the Committee of the Bedford Trade Protection Society.

Alderman D. T. Evans, J.P., pharmacist, Margate, has been appointed a representative of the Corporation on the Isle of Thanet Joint Hospital Board.

Mr. John Stainer, pharmacist, and Mr. J. Giles, pharmacist, have been appointed on the Judicial Authority for the borough of Folkestone under the Lunacy Act, 1890.

Major C. E. Dyson, J.P., V.D., for many years local manager of the chemical-works of the United Alkali Co., Ltd., has been re-elected Mayor of Flint for the eighth consecutive year, this making his tenth year of office.

Councillor William Sambrook, Ph.C., has been re-elected Mayor of Monmouth for the third year in succession. He has figured prominently in municipal contests of late years, being returned at the head of the poll with "record" majorities. This is the sixth time Councillor Sambrook has been elected to the Mayoralty.

Mr. Francis D. Phillips, dispensing chemist, proprietor of the pharmacies in Market Street and Castle Square, Haverfordwest, has been appointed a Governor of the Grammar School of the town. Mr. Phillips is one of the old boys of the school, and is a past High Sheriff of the town. He has also taken very active interest in other civic and educational matters.

Mr. C. C. Graham, F.I.C., F.C.S., has been elected Mayor of Scarborough for the fourth year in succession. He was born at Herne Hill, and attended Tonbridge School, passing from there to the Royal College of Chemistry. After a number of years as technical chemist to Blundell, Spence & Co., Ltd., Hull, he was appointed secretary to the company and subsequently a director. During his seventeen years' residence in Hull he became interested in several other business enterprises.

Trade Notes.

Winter Lines in lozenges are mentioned in the advertisement in this issue of Wigglesworth & Co., Westhoughton, Lancs.

Webster's Diamine is a powder for making blue-black ink. It is made by T. Webster & Co., Diamine Works, Liverpool.

Christmas List.—The special list issued by R. Hovenden & Sons, Ltd., referred to last week (p. 48), can be obtained at 89 to 95 City Road, London, E.C.

American Chemicals.—The White Tar Co., 4 Cliff Street, New York City, U.S.A., are importers and exporters of heavy chemicals and naphthaline products.

Cocaine and Opium Registers.—Ford, Shapland & Co., Great Turnstile, High Holborn, London, W.C., sell their cocaine and opium sale-registers at 1*s.* 6*d.* each. These are advertised in this issue.

Price-list Supplement.—Parke, Davis & Co., 50 Beak Street, Regent Street, London, W., have issued Supplement C to their price-list for 1916. It embodies both changes in prices and additions.

Anti-Zepp Electric Lamp.—Archibald J. Wright, Ltd., 61 Eden Grove, Holloway, London, N., advertise in this issue an electric hand-lamp especially adapted for throwing light on the ground. It retails at 8*s.* 3*d.*

"Quala" Rubber Sponges.—Rubber Sponges, Ltd., 15 Angel Court, London, E.C., announce a new line in rubber-milk sponges the manufacture of which embodies a British invention. The sponges are British made.

Bisurated Magnesia.—The International Chemical Co., Ltd., 7 Wybert Street, Munster Square, London, N.W., announce new prices for bisurated magnesia. In future there will be only one size of the powder form, but two sizes of the tablets. The particulars are given in an advertisement in this issue.

"Standard" List.—Mr. Charles Philip, dispensing chemist, 23 High Street, Herne Bay, has issued his quarterly "Standard" retail price-list of war-affected drugs. The list includes packed goods, tablets, lozenges, tabloid products, and empty bottles; and in all cases the profit is calculated on definite percentages. It is good for chemists.

Southall Bros. & Barclay, Ltd., Birmingham, devote their page in this issue to their newer products—Vitafer, Vitafer chocolate, Aldemint (a formaldehyde throat tablet), Lycresol (cresylic disinfectant), and Crystoformin (a bladder disinfectant). The prices are given, and the offer is made of samples and literature for distribution to medical men.

Daisy Tablets are a novelty which Daisy, Ltd., Mammoth Works, Leeds, has brought out. These are a convenient form of the old-established "Daisy" headache-cure, and are packed in small neat tins so that they can be conveniently carried in the pocket. An advertising-campaign to the public is to be undertaken, so that chemists should be prepared with stock.

"Red Band" Bismuthated Magnesia.—This product of the Red Band Chemical Co., 186 Dalry Road, Edinburgh, to which reference was made recently in the *C. & D.*, can be obtained through wholesale houses as well as direct. Large window posters and showcards are offered to chemists, and the outers containing 3 doz. 3*d.* size or 1½ doz. 6*d.* size are adapted for use as show-boxes.

"Jasmine" Brand Lanoline.—One of the best samples of anhydrous lanoline of British manufacture which we have seen has been sent to us this week by the Pure Russian Liquid Paraffin Co., Ltd., 3 St. Helen's Place, London, E.C. It is a pale dull lemon yellow, practically odourless, and the company guarantee that no perfume has been added to disguise the smell of the fatty acids. A sample of the company's product has been examined by Dr. S. Judd Lewis, who, as the result of chemical tests, certifies that it conforms to the requirements of the British Pharmacopœia.

The Henna Cult.—The Evan Williams Co., proprietors of Dr. Evan Williams' henna shampoo, have recently moved their wholesale and export depôt to a new factory at 18 and 18A Ogle Street, Foley Street, London, W. A *C. & D.* man who called there found the new factory to consist of compactly arranged premises. It comprises four floors and a basement, all connected by an electric lift. The floor-space is about 3,000 sq. ft. The ground floor accommodates the despatch and export department and the offices. On the first floor the henna shampoo is packed by a staff of women, automatic machinery being in use to ensure uniformity in the contents and that the packets are well shaped. The second floor is the laboratory and mixing-room, where the henna shampoo is compounded, a Gardner's mixer and sifter being one of the necessary apparatus. All the machines are electrically driven. The characteristic perfume is sprayed into the powder by a special pneumatic device. All the ingredients are separately tested to see that they conform to the standard laid down, practical tests being made with the henna, which, being a vegetable compound, is not easy to control. In the course of the visit our representative gathered many details regarding the growing popularity of henna shampoo, not only in this country, but in Russia, Italy, North and South America, etc. Packages are labelled in the language of the country to which they are exported. It is somewhat of a task to fit up and open a new factory in war-time, but the need was imperative, owing to the growth of the home and export trade. It is quite an up-to-date factory, and with the advent of peace and the boom in British trade will enable the present large output to be multiplied almost indefinitely. The continual growth in the demand, it may be added, is due to personal recommendation and advertising, and as these continue the trade need not be afraid to stock the shampoo.

Associations' Winter Session.

Aberdare.—A meeting of the Aberdare Valley Chemists' Association was held at Mountain Ash on November 9. Mr. Bedford, representative of the United Chemists' Association, Ltd., addressed the members on the advantages of taking up a Ucal agency. He made a good impression, and was thanked for his address.

Bolton.—The annual meeting of the Bolton Pharmacists' Association was held on November 9, Mr. G. Browne (President) in the chair. Regarding a letter from the Proprietary Articles Trade Association as to the need of extending the membership, it was decided to write to the proprietor of "Croupline" asking him to place his preparation on the protected list. The retiring officers were re-elected, and were thanked for their past services.

Cambridge Junior.—A meeting of the Cambridge Junior Association was held at 30 Trumpington Street to discuss the formation of a football team. The chair was taken by Mr. A. H. Course. It was found that there were sufficient members to form a team, and the election of officers was proceeded with. Mr. Potterell was chosen Captain, Mr. Moss Secretary, and Mr. Franklyn Treasurer. It was decided to call the team the "Pharmaceutical Juniors," and the colours are to be white with a red band on the right arm.

Doncaster.—The annual meeting of the Doncaster Association of Pharmacists was held on November 3, Mr. F. W. Playford (President) in the chair. There were present six other members and Mr. Harry W. Stiles (Hon. Secretary). The Secretary was instructed to write to twelve owners of proprietary articles asking them to protect the price of these goods by placing them on the list of the Proprietary Articles Trade Association. The Treasurer's report showed a balance in hand of 3*l.* 5*s.* 5*d.* The following officers were elected for the coming year: *President*, Mr. F. W. Playford; *Hon. Secretary and Treasurer*, Mr. Harry W. Stiles; *Vice-Presidents*, *Messrs.* M. H. Stiles and W. E. Plant; *Committee*, Messrs. H. W. Shaw and S. Moores.

Essex.—A Committee-meeting of the County of Essex Association of Pharmacists was held on November 14. Reports from the Local Associations Executive upon the various resolutions sent up were received and noted. Arrangements were made for a county meeting for Tuesday, November 30, at 17 Bloomsbury Square to discuss trade matters. Two members of other Associations have been invited to address the members, so as to obtain an interchange of ideas. It was agreed to approach again makers of proprietary articles not at present upon the protected list of the Proprietary Articles Trade Association to induce them to place their preparations upon that list.

Huddersfield.—At a meeting of the Huddersfield Chemists' Association on November 14, it was decided that no glycerin should be sold over the counter as requested by the Ministry of Munitions. It was decided to adhere to the seven o'clock closing hour, notwithstanding the alteration made in the Government Order. It was reported that the panel doctors have rescinded their resolution in regard to stock mixtures, which means that in the Huddersfield Insurance area there will be no reduced dispensing-fees. The Insurance accounts for 1915 have been paid in full.

Irish Assistants.—A meeting of chemists' assistants was held at the Crescent Hotel, Cork, on November 10, to consider the formation of a branch of the Irish Chemists' Assistants' Association. Mr. Peter Ronaghan, Ph.C., was in the chair. He addressed the meeting in regard to the aims of the Association, and after Messrs. W. J. Molony, Ph.C., P. Mangan, J. French, P. J. O'Grady, Owen, and R. G. McKinstry, Ph.C., had spoken it was agreed to form an Association in Cork. The following officers were then elected: *President*, Mr. P. Ronaghan, L.P.S.I.; *Vice-President*, Mr. Daly; *Hon. Secretary*, Mr. J. French; *Treasurer*, Mr. V. Sullivan, R.D.; *General Committee*, Mr. M. Tucker, M.P.S.I., Mr. W. Molony, L.P.S.I., Mr. W. Ryan, Mr. Owen, Mr. Kennedy, L.P.S.I., Mr. J. B. Sweeney, R.D., Mr. Mangan, Mr. Johnston, Mr. Duklow, Mr. O'Connell Mr. D. Nolan, Mr. Wrixon, Mr. Farrar, Mr. O'Connor, Mr. Hart, Mr. P. J. O'Grady, Mr.

Nicholson.—A meeting of the Irish Chemists' Assistants' Association was held on November 12 at Moran's Hotel, Lower Gardiner Street, Dublin. Mr. J. Hogan, Ph.C., in the chair. Mr. Blood, the Treasurer, reported that 116 members had paid their subscriptions, and that he had a balance in hand of 14*l.* 19*s.* 8*d.* The Chairman said there should be at least 190 members out of the 250 assistants in the district. The following officers were then elected: *President*, Mr. J. Hogan, Ph.C.; *Vice-President*, Mr. Hamill, Ph.C.; *Hon. Secretary*, Mr. Dillon; *Hon. Assistant Secretary*, Mr. W. A. Batty; *Treasurer*, Mr. Blood; *Committee*, Messrs. J. T. Savage, M. FitzGibbon, W. Kennedy, L. J. McKernan, M. J. O'Farrell, J. Conway, W. A. Batty, R. Roche, J. Y. Thornton, J. M. MacNamara, and T. Farrell, L.P.S.I. The President mentioned that a memorial had gone before the Dublin Corporation to close chemists' shops at 9 P.M. daily. A discussion followed on earlier shop-hours and other reforms needed in the drug-trade.

Leeds.—A meeting of the Leeds Chemists' Association was held at the Grand Central Hotel on November 8, Mr. N. N. Armitage (President) in the chair. Mr. F. Pilkington Sargeant, member of the Pharmaceutical Council, gave an address which took the form of a survey of the general pharmaceutical position. He referred to the Opium and Cocaine Regulations, the sale of glycerin, and the treatment of venereal diseases. In regard to Memo. 277/I.C., issued by the Commissioners, chemists welcomed any tests which might be applied to their dispensing, but the Pharmaceutical Society had felt bound to make representations to the Commissioners as to the unfairness of applying tests to stock mixtures, and pointing out that insured persons for whom doctors dispensed are not in any way protected against inferior drugs and medicines. Chemists knew all about the new terms for dispensing, embodying an increase of 0.3*d.* per item and not per script,* which were only adopted after prolonged and delicate negotiation conducted under a fire of abuse in the trade Press, which, though ineffectual, did retard progress. Misinterpretation of the new terms had occurred, and he urged chemists to accept no statements but those which are official. The increase was just, but the wording in the Commissioners' circular is unduly patronising. The increase is not accepted in the spirit of a patronage; it is one absolutely earned, and nothing less would have been accepted. If there should be any patronage, it should be on the side of the chemists rather than the Commissioners. Though the increase is admittedly just, that does not get away from the fact that the total remuneration is still utterly inadequate, and is founded not on an equitable basis, not on any competitive basis, not on any law of supply and demand, but on the sorry foundation of a series of mathematical gymnastics. Since a fair average is unobtainable, any establishment-charge must be unsatisfactory, and it is from every view-point desirable that the increased remuneration should be in the form of more equitable dispensing-fees. Mr. Sargeant then made a reference to remuneration in regard to the attitude of the Scottish pharmacists and the apparent disparity between the Scottish and English terms. It is not correct, he said, to assume that the Scottish chemists are content. They have no cause to be so. It is freely asserted that Scottish chemists possess a Tariff which yields a sum from 20 per cent. to 25 per cent. more than the English Tariff. He had no quarrel with the Scottish figures that on forty of their typical prescriptions there may be such a discrepancy. In England they are not concerned with such figures, but they are concerned with any effect which the change in Tariff may have brought about in their own remuneration. He quoted three batches of prescriptions taken haphazard as to number and area, as follow:

A.

269 scripts	English £ s. d.	Scottish £ s. d.
Drugs	1 13 2	3 1 11
Dispensing-fees and establishment-charge	3 5 4	2 5 2
Extra 0.3*d.*	0 7 2	
	5 5 8	5 7 1

English Tariff (with 0.3*d.*) = 1.3 per cent. less total value.

B.

94 scripts	English £ s. d.	Scottish £ s. d.
Drugs	1 2 0	1 15 1
Fees	1 3 11	0 17 3
Extra 0.3*d.*	0 2 11	
	2 8 10	2 12 4

English Tariff = 6.4 per cent. less total value.

C.

188 scripts	English £ s. d.	Scottish £ s. d.
Drugs	1 17 5	2 19 7
Fees	2 5 10	1 12 11
Extra 0.3*d.*	0 5 5	
	4 8 8	4 12 6

English Tariff = 4.19 per cent. less total value.

These examples are taken from areas not having stock mixtures, and though there might be areas where the percentage is slightly less, the figures are significant. The prices obtained in England are in most cases higher than they would be were the Scottish Tariff in operation, and showed a gross remuneration of 50 per cent. This was no disparagement on the Scottish pharmacists, but to those who would make prejudiced comparison the answer is that, though poor, the remuneration is infinitely better than it would have been had the old Tariff, with an almost certain discount of 15 per cent., continued in operation. In the discussion which followed the President said he only wished the Editor of THE CHEMIST AND DRUGGIST, of whose comments on the Pharmaceutical Society he was very tired, could have been present. If there had been no Pharmaceutical Society the chemists would have got nothing at all, and he wondered how much more the Editor of the *C. & D.* could have got than the Pharmaceutical Society had done. He further stated that he was "shocked" to learn that a number of Leeds chemists—particularly twelve panel chemists—are not members of the Pharmaceutical Society, and characterised this as a great scandal, "because these men got all the benefits of the work of the Pharmaceutical Society." Other speakers were Mr. J. H. Beacock, Mr. W. K. Harrison, Mr. A. Rothstein, and Mr. A. Riley, their remarks being mainly on the question of glycerin, the supply of which, it was urged, should be limited by regulation.

London (W.).—Mr. W. Wilkinson presided at a meeting of the Western Pharmacists' Association at the Restaurant Frascati on Wednesday evening, November 15. The feature of the evening was an address on the scope and limitations of bacteriology by Dr. E. Burnet, lecturer to the Pharmacist Volunteer Corps, members of which were present. Dr. Burnet opened with an historical review of medical treatment up to the use of vaccines and serums. He contended that the supply of these therapeutic agents should be in the hands of pharmacists, and suggested that a course of instruction in bacteriology for pharmacists should be given through the Pharmaceutical Society. The British Government has paid 30,000*l.* to an American firm for vaccines, etc. In the discussion Mr. H. Skinner and Mr. Edmund White supported Dr. Burnet's views, Mr. White stating that the Council would no doubt support his suggestion, but they must first study ways and means. He was of opinion that the taking of drugs by the public will continue for some time. Messrs. Barrett, Ellerington, Shenstone, Browne, Allen, and Moss also spoke, and Dr. Burnet, in the course of his reply, stated that an outlay by the Pharmaceutical Society of 1,000*l.* would provide amplo facilities for instruction to pharmacists, who, he said, should have the necessary knowledge to detect organisms on slides submitted by the doctor.

Manchester.—A meeting of the Manchester Pharmaceutical Association was held on November 8, Mr. W. Kirkby, M.Sc. (President), in the chair. Mr. Cecil Owen B.Sc., Chester, gave an address on "Pharmacy and the Future." Many of the misfortunes of pharmacy, he said, are due to the refusal to look steadily into the future, and act as though we believed that as we sowed so should we reap. To compete in the future with multiple shops pharmacists will have to be more than mere retailers, the professional man will be quite safe. It is necessary, therefore, to show more of the professional spirit and less of the business spirit if we wish to progress. The time is ripe, he thought, to take advantage of the general shortage of medical men to do dispensing for them, and he referred to possible openings for chemists in bacteriology in connection, for example, with the additional duties imposed in the municipal treatment of venereal diseases. Mr. Owen declared that the National Insurance Act is unpopular alike with chemists and insured persons. In the discussion which took place Mr. W. H. Delve, Mr. Hershberg, Mr. J. Grier, Mr. F. W. Bates, J.P., and Mr. J. C. Kidd took part. A vote of thanks was given to Mr. Owen for his paper.

Middlesex.—The Executive of the Middlesex Pharmaceutical Association met on November 8, Mr. H. E. Clement in the chair. The correspondence included letters from the Pharmaceutical Society on Benevolent Fund collecting-boxes and arrangements for canvassing chemists

* "An additional allowance of *3d.* per prescription" are the words used in Mr. Rind's letter to the Secretary of the Pharmaceutical Society.—EDITOR *C. & D.*

who are not members of the Society. Reports were received from the district Associations, and a resolution from the North London Association, asking that a proposal should be sent to the local Associations Executive on the subject of federated areas.

Newcastle-upon-Tyne.—A meeting of the Newcastle-upon-Tyne Pharmacists' Association was held on November 8, Mr. J. F. Simpson in the chair. It was reported that the project for a Federation of Northern Pharmacists' Associations had been abandoned for want of support. A discussion on a communication from the Proprietary Articles Trade Association was postponed. Attention was called to a collecting-box on behalf of the Benevolent Fund. The question of membership of the Pharmaceutical Society was introduced by Mr. T. H. Flemming, and a resolution passed urging non-members to join. The meeting also favoured the scheme of a minimum price-list. A circular by Mr. H. S. Williamson (Tynemouth) on the Cocaine and Opium Regulations was read and approved.

Dandelion-root.

The British Pharmacopœia describes radix taraxaci as "fresh root, frequently three decimetres or more long and twelve millimetres or more thick, smooth or yellowish-brown externally," etc. It is as well the words "or more" are used, or we are afraid the giant specimen which we figure here would have been excluded. Dandelion-root is being collected now, and among a consignment of many

tons which was being dealt with by Stafford Allen & Sons, Ltd., drug-growers, Cowper Street, Finsbury, London, E.C., the root of which we give here a photograph attracted attention. The root is 20 in. round at the crown and 12 in. in the centre, where the string is shown in the illustration. A normal root weighs about 1 oz., but this weighs 2 lb. 7 oz. To have attained this size the root must have been in the ground a good many years.

Peruvian Bismuth.—The production of bismuth in Peru in 1914 amounted to 11,187 kilos., valued at 4,899*l*.

P.A.T.A. Council.

The Proprietary Articles Trade Association has appointed a new Council. There was a contest in the Manufacturers' Section, with thirteen candidates for twelve vacancies. The voting-papers sent out numbered 306, and sixty-eight were returned, one being spoilt. The voting resulted as follows:

		Votes.
1.	Wright, Layman & Umney, Ltd. (John C. Umney)	64
2.	Sanitas Co., Ltd.	63
3.	Mellin's Food, Ltd. (Dr. John J. Pilley)	62
4.	Beetham & Son (B. W. Beetham)	61
5.	Scott & Bowne, Ltd. (T. Hinds)	61
6.	Steedman, John, & Co. (J. South)	61
7.	Grossmith, J., Son & Co. (A. Ridout)	60
8.	Newton, Chambers & Co., Ltd. (J. Godber)	60
9.	Thos. Powell, Ltd. (F. W. Powell)	60
10.	Woodcock, Page	59
11.	Whelpton, G., & Son, Ltd.	54
12.	S. Kutnow & Co., Ltd. (S. Kutnow)	45
13.	Nathan, A. ("Glaxo")	26

The first twelve have been declared duly elected. In the Wholesale Section there were only twelve candidates (the retiring members), and they have been re-elected. They are Barclay & Sons, Ltd., G. H. Burroughs (John Thompson, Ltd.), Butler & Crispe, W. Edwards & Son, Evans, Gadd & Co., Ltd., Hirst, Brooke & Hirst, Ltd., May, Roberts & Co., Ltd., J. McCaig (Evans Sons Lescher & Webb, Ltd.), F. Newbery & Sons, Ltd., Raimes & Co., Sangers, and James Woolley, Sons & Co.

For the Retail Section only twelve were nominated, and they have been elected—viz.: J. G. Atkinson (Upper Norwood, S.E.), Dr. A. J. Barnes (Dublin), R. Feaver Clarke (Gravesend), H. W. Colley (Grimsby), W. L. Currie (Glasgow), J. B. Francis (Wrexham), J. Keall (Wandsworth, S.W.), A. R. Keith (Poplar, E.), J. Milner (Greenwich, S.E.), S. N. Pickard (Ossett), G. P. Pond (Fleet Street, E.C.), and P. F. Rowsell (Exeter).

Medical Gleanings.

Lice and Insecticides.

A. Bacot, entomologist to the Lister Institute of Preventive Medicine, reporting to the "British Medical Journal," 1916, II., 447, states that in an investigation he used naphthaline, sulphur, cresylic acid, iodoform, vermijelli; a mixture of vaseline, naphthaline, kerosene oil, and benzole; vermijelli with cresylic acid; cytisine; vermijelli with phenol; and iodoform, cytisine, and sulphur. He gives the results from each, showing the number of insects used in each case, how they were used, and the length of time exposed, with the results. Cytisine is the alkaloid isolated from gorse and laburnum seeds, and Dr. H. H. Dale suggested the experiments, but the results are not brilliant. Mr. Bacot suggests that a means may be found for preventing the spread of lice among troops by impregnating shirts and underclothing with an emulsion consisting of 45 to 50 per cent. of soft soap, combined by heating with 50 to 55 per cent. of crude carbolic; of this 5 per cent. should be mixed with warm water. After dipping in the emulsion the garments should be wrung out and thoroughly dried before wearing.

Information Department.

INFORMATION WANTED.

128/67. Parolaxyl with cascara.
129/60. "Olophene."
132/25. "Brusaco's mixture," said to be a solution of arsenic and strychnine, and may probably be an Army veterinary preparation.
131/52. Lingner's spray apparatus.
131/51. "Dialacta," remedy for rheumatism.
132/60. Stymine tablets.
132/61. Harrington's hygienic squares.

INFORMATION SUPPLIED.

"Ambrine," 125/22 and 125/20
Brusson Jeune's diabetic bread, 107/58
Cardboard boxes, 106/45 and 111/24
Doan's kidney-pills, 119/5
Downs' "Farmers' Friend," 115/13
Electric hair-brushes, 125/28
"Formeloids," 120/5
Gummed paper strips for fumigating purposes, 112/19
"Isarol," 102/43
Jackson's insect-powder bellows, 84/1
Matthew's fullers' earth, 111/28
Mechanical mortars, 110/16
Murray & Lanman's Florida water, 95/58
Oxygen hat-cleaner, 95/5
"Paris" hat-dyes, 101/6
Silver-backed mirrors, etc., 107/51
Toilet-articles (shaving-sets, mirrors, manicure-sets, etc.), 90/59

Observations and Reflections.

By Xrayser II.

What Sir Charles Bedford says

of chemical representation in the House of Commons is, of course, equally true of pharmaceutical representation. Mr. Glyn-Jones does not, in a Parliamentary sense, represent pharmacy, but Stepney, and for pharmacists to think of sending Mr. Woolcock (or anybody else) to Westminster as their delegate is simply absurd. It does not follow that we should not be very glad to see him there. We owe a great debt to Mr. Glyn-Jones for his championship of our interests in Parliament, and it is much to be desired that when, unfortunately for us, he retires, somebody else equally competent and equally willing to help us should succeed him. The problem is how to secure this. All we can do is to work locally for the man we wish to see elected, and, if necessary, to provide or contribute to the expense of his election. In this way something might be done, especially in a poor constituency, where party funds are low, but we must not suppose we can do more than this, and it would probably be bad policy in most cases to try to induce a constituency to accept a candidate as our nominee.

The Sublimity of Faith

of "A Country Pharmacist" is really touching. He at least has found the philosopher's stone, and he wields with tearful sincerity that magic implement that is going to transmute all baser metals to the purest platinum. The festering sore of pharmacy is the fact that some of us "still holds himself aloof from membership of the Society." Let us plank down our guineas, and, hey, presto! a leader will appear and all will be well. For what is the use of a leader if there be none to lead? "Country Pharmacist's" logic is perfect, and would be irrefragable were it not for the little rift within the lute—that demon of doubt which whispers a tale of some hungry sheep which looked up to their shepherd and were not fed, of men who thought they were leaning on a stout staff and who found at the critical moment that it was only a reed. Even a reed may have its uses, for its waving may show how the wind blows, so that the steersmen may know how to trim their sails and catch the passing breezes of a fast-waning popularity.

Lord Rhondda's Purchase

of Sanatogen and Formamint, whether he changes their names or not, will simplify our dealing with these proprietaries, and place us on a more satisfactory footing generally with regard to them. It may be possible to produce substitutes for either as good as the original, and honour is due, we are told, to anybody who makes two blades of grass grow where only one grew before; but it has not usually been held good form to exploit other men's enterprises and trade on their reputation. Nothing but sheer necessity would reconcile some of us to such a course. Substitutes for unprocurable necessaries must be had, but we shall welcome this possibility of once more supplying what the public ask for, instead of having to recommend something "just as good." Lord Rhondda's way out of a real difficulty is as honourable as it is patriotic; though he may be commended for not professing altruistic motives, the fact remains that his action is a public gain, not only from a British point of view, but from an international one. When the time comes for us to arrange terms with our present enemies it may help us much to be able to point to proofs that we have not been unmindful of justice and equity, even while at bitter war and under great provocation.

It Pays to Advertise.

as Mr. Kendrick says, but we must either advertise something that the public want or we must persuade the public that the article we are advertising is essential to their comfort, if not their existence. If we can manage to induce this frame of mind we have gone far along the road to success. The trouble is that so few of us possess any originality of conception or expression. We lack imagination, and hence we advertise the same old sundries in the same old way, and in the same old medium, alongside of fifty other people, all of whom are equally devoid of the imaginative faculty. The result is inevitable. The fifty advertisements are neglected, while a novelty, or even a fresh setting or statement, would startle readers into alert and careful study. I tried the experiment quite lately of advertising an article that few of my clients had ever heard about, and certainly very few indeed had seen. But it was just the thing many of them felt they needed, and the very first post brought seventeen inquiries, of which a goodly number resulted in sales. Next day the number was twelve, and since then they have kept trickling in day after day. This again confirmed my previous experience, that if we only give the public the opportunity of buying something that they really think they need, they will rise to the occasion every time. Our part is to convince them that they need it.

The Treatment of Venereal Diseases

by pharmacists is a branch of counter-prescribing, and, the propriety of such prescribing for simple ailments being taken for granted, we have to consider whether venereal diseases are simple ailments or not. I doubt whether any pharmacist is competent, *qua* pharmacist, to decide offhand, with certainty, that any case he is asked to treat is a simple one. The fact remains that the diseases are contagious, and come under a different category from the ailments we habitually allow ourselves to treat. It must be added that the treatment of these diseases is open to peculiar abuses of the most serious kind. I confess that years ago, when in a large seaport town I saw a very great deal of this sort of business, I conceived a loathing for it which I have never overcome, and a horror of the temptations to which it exposes the unqualified practitioner; and I hope that in our anxiety to safeguard our undoubted right to deal in such drugs as are specifically employed in the treatment of these diseases we shall not let it be thought that we are committed to the defence of practices which I am quite sure most of us would condemn.

The Naming of Articles

from the places in which they are produced or the ports from which they are shipped is natural enough, but if the use of names so given is to be restricted to such articles as they originally indicated we shall have to revise our commercial nomenclature wholesale. Stilton cheese has not for centuries been all made at Stilton, and it is a long time since all currants were shipped at Corinth. There can be no fraud, certainly, in the use of such names as "British port," where the adjective is so literally "the enemy of the noun" as completely to change its meaning. And what of such names as "Tarragona" or "Catalonian" "port"? These are not wines of Oporto, or even of Portugal, but they have as good a right to their names as a good deal of madeira that has come from the island so called. "Malmsey madeira," for instance, is, or used to be, a common trade-term, and it means literally a wine from Napoli di Malvasia in the Morea made in Madeira—a contradiction in terms. It would perhaps be considering too curiously to ask whether such names as "Eau de Cologne," "Madeira cake," "Epsom salts," etc., ought not in consistency to be similarly restricted.

Chinese Rhubarb.—The export from China during 1915 amounted to 13,665 piculs, valued at 222,989 Haikuan taels, against 11,045 piculs, valued at 185,614 Hk. taels, in 1914.

The Business of the late S. H. Davies, 9 Stockwell Road, Clapham Road, which was advertised for sale in the *C. & D.*, has been disposed of by the executors to Mr. F. Ellis, of Charles Gadd & Son, 1 Harleyford Road, Vauxhall, S.E. who has also purchased the business of the late Mr. Morton (formerly a branch of Dodds' Drug-stores), Gray's Inn Road, W.C.

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Homogeneous Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas-Okol."
Emulsified Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas Sypol" (Improved Lysol).
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"Sanitas Formic Sulphugators."
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Peroxide of Hydrogen (Kingzett's Preserved.)

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PATENTS AND TRADE MARKS.

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Editorial Articles.

The Wisdom of a Councillor.

Mr. F. Pilkington Sargeant, a member of the Pharmaceutical Council, addressed the members of the Leeds Chemists' Association last week, and that part of his speech which dealt with payment for Insurance dispensing was somewhat nebulous, but apart from his effort to criticise and condemn The Chemist and Druggist, he seems to have been eager to prove that it is not correct to say that "Scottish chemists possess a Tariff which yields a sum from 20 per cent. to 25 per cent. more than the English Tariff." It is desirable to recall the facts. In our issue of October 7 we printed on p. 40 an abstract of a report by the Pharmaceutical Standing Committee (Scotland) to the Scottish Insurance Commissioners, the result of which was an agreement between these bodies, Mr. Charles Roberts, M.P., approving that the existing agreements with chemists in Scotland be renewed for 1917. The nature of the report was described, and we gave the prices of forty prescriptions which the Committee had compared on the 1915 terms (which applied to England, Scotland, and Wales) and the 1916 terms (applicable to England and Wales only), the Committee coming to the conclusion—

"The proposed Drug Tariff gives 7*s.* 2½*d.* less for the forty prescriptions, or 2.15*d.* less per prescription, which is almost 23 per cent."

On pp. 42-43 of the same issue we dealt with the matter editorially, quoting from an excellent summary of the report issued by the Pharmaceutical Standing Committee. The following are sentences from the excerpt quoted :

"The flat rate, 0.8*d.* per prescription, is about 66 per cent. less than the balance resulting by deducting cost of materials and dispensing-fees from the price of a prescription under the present Drug Tariff.

The proposed scale of dispensing-fees works out in practice at about 14 per cent. less than the present Drug Tariff scale.

The Scottish scale of dispensing-fees is about 88 per cent. higher than the present Drug Tariff scale of dispensing-fees. The price for drugs by the Departmental Com-

mittee's Tariff (including the 0.8*d.* per prescription) is about 24 per cent. less than the present Drug Tariff yields.

Under every head the proposed Tariff shows a reduction, and the Departmental Committee's proposals mean a reduction of not less than 20 per cent. in the payments received for medicines and appliances."

In the following week the Insurance Commissioners in London issued their letters covering the additional allowance of a third of a penny per prescription, making the establishment-charge 1.1*d.* for 1916 and 1917. In the course of our comments upon this we said :

"It has been pointed out in Scotland (*C. & D.*, October 7, p. 42) that the Departmental Committee's Tariff pays 24 per cent. less than *they get in Scotland.*"

It will be noted, by comparing with the prior quotation, that the italics are our summary of the phrase "the present Drug Tariff yields," which refers solely to the Tariff used in Scotland. The point was not referred to editorially in the *C. & D.*, October 21, but our quotations had struck the trade, and plenty was said about the point throughout the country. In our issue of October 28, p. 47, after quoting the Insurance Commissioners' conditions of agreement for the supply of drugs and appliances in 1917, we remarked :

"The document may be regarded as the penultimate step to an agreement which will continue the service by English and Welsh chemists at 20 per cent. less than chemists in Scotland are getting for the same materials and work."

There, again, the figure is the Standing Committee's, a body which has done so well in the management of Insurance dispensing matters that it has the admiration and confidence of British dispensing chemists generally. It is clear from this narrative that in attacking The Chemist and Druggist Mr. Sargeant really attacked the Pharmaceutical Standing Committee (Scotland). It is to be hoped that the matter ends there, but unfortunately Mr. Sargeant proceeded to demonstrate, from an examination of 551 prescriptions, that with the 0.3*d.* additional establishment-charge English Tariff prices are only 1.3, 4.19, and 6.4 per cent. less than the Scottish. We consider this to be one of the things that would have been better left unsaid. It touches a matter that is now the subject of an official inquiry (*C. & D.*, November 4, p. 45), and considering Mr. Sargeant's official position, as well as his prominence in Insurance matters, his remarks may prejudice the position seriously.

Poisoning Sparrows.

Many of our subscribers in Great Britain have for years been accustomed to respect the restrictions of the Poisoned Grain Prohibition Act, 1863, and the Poisoned Flesh Prohibition Act, 1864, in so far as these affect the sale of poisons and of poisoned grain. The Board of Agriculture and Fisheries has recently made some changes in the matter consequent upon the Protection of Animals Act, 1911, Section 8 of which provides that in respect to the use on land of poisoned grain, it shall be a defence if the poison was placed for the purpose of destroying rats, mice, and other small vermin, and that all reasonable precautions were taken to prevent access thereto of dogs, cats, fowls, and other domestic animals. In its leaflet about the Act the Board makes the following statement :

Use of Poisons.—A person is liable under this new Act to a penalty if he (*a*) sells, or offers or exposes for sale, or gives away, or causes or procures any person to sell or offer or expose for sale or give away, or knowingly is a party to the sale or offering or exposing for sale or giving away of any grain or seed which has been rendered poisonous except for *bonâ-fide* use in agriculture; or (*b*) knowingly puts or places, or causes or procures any person to put or place, or knowingly is a party to the putting or placing, in or upon any land or building any poison, or any fluid or edible matter (not being sown seed or grain) which has been rendered poisonous.

This provision appears to have given rise to the impression that chemists and druggists are now free from the old Acts, which idea is perfectly erroneous, and we entirely agree with the President of the Board in the following remarks, quoted from a letter that we have received from the Board :

Lord Crawford would, however, desire to emphasise the danger of the indiscriminate use of poisoned grain, and would suggest the possibility of protecting it by means of wire netting of a sufficiently large mesh to allow the sparrow to pass through.

Lord Crawford also wishes to draw particular attention to the possibility of the danger of the bodies of poisoned sparrows falling within the reach of dogs, cats, and pigs, especially where pigs are kept in yards or sheds infested with sparrows, or in places where they roost.

We suggest to chemists, when selling any poison which they know is to be used for killing sparrows, that they will convey this warning to the purchasers.

Chemical Society.

The list of officers and Fellows of the Chemical Society corrected to August 1916 has been issued recently. The names of honorary and foreign members are fewer this year by eleven, the following having been removed :

Professor A von. Baeyer, Professor E. Bamberger, Professor T. Curtius, Professor Emil Fischer, Professor C. Graebe, Professor P. H. R. von Groth, Professor W. Nernst, Professor W. Ostwald, Professor H. Schiff, Professor O. Wallach, and Profesor R. Willstätter.

The names of Professors Bamberger and Schiff have been removed on account of death, but all the other names by a resolution of the Fellows of the Society (*C. & D.*, June 24, p. 45). We find that the names of German Fellows have been removed from the list also, but no resolution was necessary in regard to this, as it usually happens on non-payment of subscriptions, and it was not possible for German Fellows to pay up had they wished to do so.

U.S.P. Essential Oils.

In several articles we have already dealt with some of the aspects of the new United States Pharmacopœia (an official copy of which we recently received), and have indicated that as a book for pharmacists it can scarcely be regarded as an advance upon the preceding edition. "The Perfumery and Essential Oil Record" deals in a recent issue with the essential oils of the Pharmacopœia, the Sub-Committee's principal recommendations first being dealt with so as to show by contrast how the Convention dealt with the recommendations. Each of the notes contains critical observations upon the factors adopted in the U.S.P., and the article concludes with the following observation :

We congratulate ourselves on finding no reference to the neutrality or slight acidity of the alcoholic solutions, but why is it necessary to insert the "tests" under one oil and refrain from it in another case? The facts would only take a few hours to ascertain. The oleoresin of male fern is truly not an essential oil, but we cannot refrain from calling attention to the fact that during the last few years the characters of this important drug have become so well understood that adulteration has been stamped out. The specific gravity, refractive index, solubility in various solvents, content of filicic acid, and various other features are now well defined, and a determination of these values is a certain safeguard against adulteration. But the compilers of the United States Pharmacopœia have not included one single test for this important substance. It appears impossible to find out what principle determines the attitude of the compilers of Pharmacopœias towards scientific progress and the needs of the persons who use the books. Perhaps there is none. But when we remember the likening of the British Pharmacopœia to a cookery book by a well-known chemist in his review of that work, we must remember our own glass-house and not throw stones!

The article reveals the fact that the Pharmacopœia does not handle essential oils as well as might have been done.

Sanitas Co., Ltd.—The directors have declared the usual interim dividend at the rate of 5 per cent. per annum in respect of the half-year's trading to September 30.

Castner-Kellner Alkali Co., Ltd.—The directors have declared a dividend of 13 per cent. for the six months to September 30, making, with the interim dividend, 22 per cent. for the year.

Annotations.

A Correspondence is being carried on in "The Lancet" regarding the toxicity of British-made salvarsan. One medical man relates that he has abandoned the use of kharsivan owing to unfortunate experiences with it, but many more medical men have written in unqualified praise of the British product.

* * *

For the treatment of septic wounds Major T. W. A. Daman, R.A.M.C., in the "British Medical Journal," states that at the Military Hospital, Lincoln, Major Duggan employs a mixture of ichthyol and glycerin in varying strengths, with satisfactory results, in cases of open wounds accompanied by sepsis, induration, and pain. In place of serum as an application to wounds a solution in water of magnesium sulphate with the addition of glycerin is being employed in some of the military hospitals.

* * *

Mr. E. K. Muspratt, LL.D., F.I.C., etc., who was President of the Society of Chemical Industry in 1885-86, the year before Mr. David Howard, and is the oldest surviving Past-President of the Society, has published a biography entitled "My Life and Work," which deals chiefly with his public career as a Liverpool man and a Gladstonian; but there are interesting chemical reminiscences in it—for example, his close association with Baron von Liebig in the 'fifties, about which Mr. Muspratt has a good deal to say, also of life in Germany during that time. Mr. Muspratt's long connection with the alkali-industry of this country is well known. He is one of the founders of the Liverpool University, and his work for it was recognised by his being made the first President of the Council of the University and its Pro-Chancellor. He also received the LL.D. degree from it. His son, Mr. Max Muspratt, has entered upon his duties as Lord Mayor of Liverpool, one of the most interesting facts connected with his eminent father's life. Mr. Max Muspratt is a director of the United Alkali Co., Ltd., and has done good work for the Government during the war.

* * *

Chemical Weights.—Last week's "Chemical News" contains a reprint of a paper by William Crookes, F.R.S., on "The Correct Adjustment of Chemical Weights," which was published in that journal on April 19, 1867, and is now reprinted at the request of many readers. It is exceedingly interesting, and we quote one of the tables given in it:

Names of the weights.	Value in air in terms of the (1000) grain weight. Grains.	Value *in vacuo* in terms of the (1000) grain weight. Grains.	Weight of air displaced by each. Grains.	Volume of weights in grs. of water of maximum density.
(1000) ...	1000.0000	1000.1462	0.1462	119.193
(600) ...	600.0023	600.0904	0.0881	71.812
(300) ...	299.9959	300.0401	0.0442	36.035
(200) ...	200.0009	200.0303	0.0294	23.930
(100) ...	100.0007	100.0153	0.0146	11.868
(60) ...	60.0007	60.0091	0.0084	7.140
(30) ...	29.9983	30.0040	0.0052	3.538
(20) ...	19.9991	20.0030	0.0039	2.358
(10) ...	10.0001	10.0015	0.0014	1.166

The author stated that the deviations are not constant, and he advised workers carefully to preserve the weights after their true value had been ascertained, adding that no attempt should be made to get them more accurately adjusted by adding to or removing portions of the metal, and they should not be picked up with metal forceps, as they suffer thus by wear and become lighter. The author is now one of Britain's oldest chemists, and has received many distinctions, including the Order of Merit. He was in close touch with the *C. & D.* at the time the paper was first published. It was worth reprinting, and it deserves the attention of those who have to do accurate weighings.

* * *

Keeping it Up.—It is interesting to note that the Edinburgh Chemists', Assistants', and Apprentices' Association resumes its meetings at 36 York Place, Edinburgh, on the evening of November 29, at eight o'clock, when Mr. James Adamson, this year's President, will deliver an address, and (is it symptomatic of the times?) a paper on "Women in Pharmacy" will be read by Miss M. Grant Boag, while Jay Mack will communicate a paper on "Wages and Profits." He is an old Edinburgh assistant. This Association, now that the Chemists' Assistants' Association of London is under suspension, is the oldest active Chemists' Assistants' Association in Great Britain, and, except a small one in Cambridge, the only active Chemists' Assistants' Association. It was founded in 1878, and we believe we express the feelings of many pharmacists throughout the British Empire when we say that its educational and elevating influence is one of the things that they all look back to with thankfulness. We dare say the Association has had many difficulties to encounter, and now that young men in pharmacy are serving their country in the war, it is necessary that those who remain should do all in their power to support the Association and its officers during the coming winter. The programme for November 29 is excellent, and we hope the President and officers will have a good backing.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," November 8, 1916.)

"Eophol"; for a medicinal chemical (2). By Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C. 374,403. (Associated.)

Device of girl's head and shoulders, with circular background; for all goods (2 and 48). By Robartes, Ltd., 128 Jermyn Street, S.W. 374,775/6. (Associated.)

"Carbolineum Heveaum," with monogram "H & C Ltd." (words disclaimed); for fungicides and insecticides (2). By Harrisons & Crosfield, Ltd., 1-4 Great Tower Street, E.C. 374,927.

"Neurakos" and "Pectakos"; for medicines (3). By E. Jones, 60 Miles Bank, Hanley. 374,153/4. (Associated.)

"Ultravak" and "Veronigen"; for medicines (3). By C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C. 374,281/804.

"Mersalv"; for medicinal chemicals (3). By Anglo-French Drug Co., Ltd., 118-122 Holborn, London, E.C. 374,725.

"Genatosan"; for medicinal chemicals (3). By W. G. Asquith, 12 Chenies Street, W. 374,966.

Horseshoe-shaped device of cock and hand, etc.; for scientific instruments, etc. (8). By C. Macintosh & Co., Ltd., 2 Cambridge Street, Manchester. 373,886. (Associated.)

"Vena"; for grape-juice (42). By E. Silva, 9-10 Fenchurch Street, E.C. 374,236.

"Pen-lem"; for all goods (42). By J. H. Low, Fraserburgh. 374,666.

"Pamker"; for food-substances (42). By Southern Cotton Oil Co. of Great Britain, Ltd., 18 Creechurch Lane, E.C. 375,081.

"Strathregi"; for mineral and aërated waters (44). By J. P. O'Brien & Co., Ltd., 10 and 12 Pall Mall, Liverpool. 374,948.

Facsimile signature "Marguerite E. Robin"; for toilet-articles (48). By M. E. Robin, 21 South Molton Street, W. 374,753.

"Kingoia"; for perfumery, etc. (48). By Zedex (1912), Ltd., 94 Church Road, Hove. 375,131.

(From the "Trade-marks Journal," November 15, 1916.)

"Indesco"; for all goods (1). By the Indestructible Paint Co., Ltd., King's House, King Street, London, E.C. 374,929.

"Serchol"; for photographic developers (1). By W. Butcher & Sons, Ltd., Farringdon Avenue, E.C. 375,126.

"Regecutin"; for chemicals (2), medicinal chemicals (3), and perfumery, etc. (48). By Regesan, Ltd., Nottingham. 375,066 (Associated), 375,067/68.

"Vigoron" over picture of negro fighting bull, with words "De un Caudal de Sangre Pujanza Invencible"; for medicinal chemicals (3). By The Sydney Ross Co., 147-153 Waverly Place, New York, U.S.A. 373,926. (Associated.)

"Digitamin"; for a medicine (3). By R. Morrison & Co., 2 Fen Court, London, E.C. 374/921.

Shield bearing words "The New Ideal Lestrol Antiseptic" ("Ideal" disclaimed); for an antiseptic (3). By F. A. Lester, 7 Victoria Villas, Upperthorpe, Sheffield. 375/019.

"Cutanoline"; for medicinal chemicals (3). By The Crown Perfumery Co., Homerton, N.E. 375,069.

"Abolake"; for all goods (5). By T. S. Johnstone, 298 Gairbraid Street, Maryhill, Glasgow. 375,247.

Device of interlocked triangles with letters "S. A." ("S. A." disclaimed); for indiarubber surgical goods, etc. (11). By Schionning & Arvé, Hejmdalsgade 45, Copenhagen. 373,761.

Label device including word "Nuvigur" ("Nuvigur" disclaimed); for a beverage (42) and (44). By C. Creese & Co., Ltd., Cheapside, Hyde. 373,464,465. (Associated.)

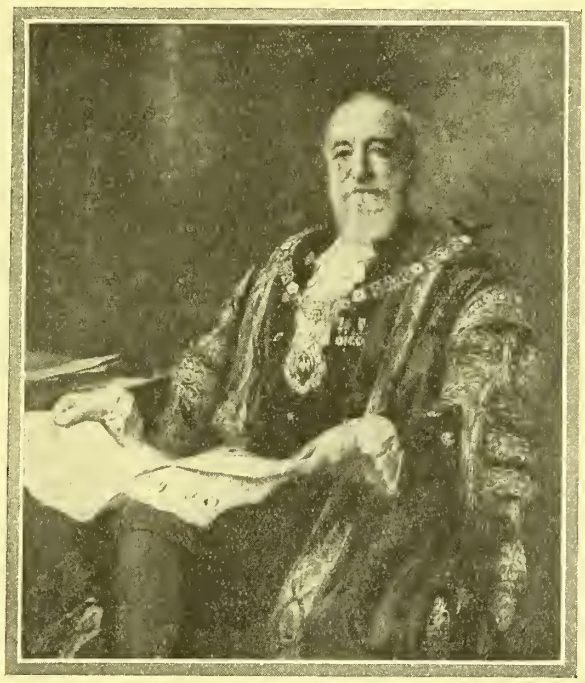
"Fusoids" and picture of cup and saucer (cup and saucer device disclaimed); for tea, coffee, sugar, and milk tablets (42). By W. B. Dixon, 76 Kennerley Road, Stockport. 374,854.

Sir Walter Vaughan Morgan, Bart.

One of the Founders of "The Chemist and Druggist."

On the 12th inst., at 2 Whitehall Court, S.W., Alderman Sir Walter Vaughan Morgan, Bart., in his 86th year.

WE record this death with the deepest regret. Sir Walter was the oldest surviving partner of that exceptional fraternal combination, Morgan Brothers, who, as druggists' sundriesmen, hardware-merchants, Colonial agents, and bankers, had so much to do with starting trade journalism in the British Empire, being originators, in 1859, of "The Ironmonger" and The Chemist and Druggist. The history of these journals was related in our Jubilee issue, July 31, 1909, on which occasion we used the portrait of Sir Walter that is placed here. It is from a Royal Academy painting of him by Mr. T. B. Kennington, done while he was Lord Mayor of London in 1905-6. It is an excellent likeness, and although Sir Walter had been in failing health and had taken little part in civic and public work during the past two years, the portrait shows him as he was known to many, especially those connected with Masonic and City affairs.



Sir Walter Vaughan Morgan, Bart.

Sir Walter Morgan was the sixth son of Thomas Morgan, Glasbury, and his wife Marianne, daughter of William Vaughan, Brecon. He was born on May 3, 1831, and on May 4, 1840, he came as a scholar to Christ's Hospital, London, where he remained until Easter Monday, 1846, his brother Septimus Vaughan Morgan being a scholar simultaneously with him. He then returned to Wales, was articled to the National Provincial Bank of England, and after his apprenticeship he was sent to the Manchester branch, where he advanced quickly, and by 1855 had become chief cashier. He had the intention of going abroad, and left the bank with that object, but when he came to London his brothers William and Septimus, who had acquired the old-established Colonial and sundries business of Edward Halse, and as Morgan & Rees were developing it remarkably well, quickly proved to him that his banking knowledge and financial abilities were wanted in the business. So he joined them, and the firm became Morgan Brothers. Within two years three other brothers, Thomas, Octavius, and Edward (happily still with us), joined the firm. A bunch of faggots was their trade-mark, and it well represented their principle, for while each of them had his own department of the business to look after, they were excellent and severe critics of each other, yet stuck together well, faithfully carrying out any decisions that Morgan Bros came to at their board meetings. So Sir Walter and his brothers made excellent business progress, adding to their City successes the Morgan Crucible Co., of Battersea.

Sir Walter Morgan became a freeman of the City as soon as he possibly could, just as he and his brother Septimus became supporters of their old school, Christ's Hospital, both duly becoming Governors. Exactly forty-five years after leaving the school Walter was elected Treasurer of it. This was on Easter Monday, 1891. "The Times," in referring to his work in that capacity, says:

"Sir Walter took a notable part in the administration of Christ's Hospital. The firstfruits of his success in business went to the hospital in the shape of 500*l.* to qualify him as a Donation Governor in 1873, and his colleagues chose him as one of the Council of Almoners in 1882. On the setting-up of the new scheme for the foundation on January 1, 1891, he was one of the Governors chosen for places on the new Council of Almoners; he was then elected Treasurer, and made his home at the old Christopher Wren house, with a bastion of the City wall in its basement, which was the official residence of the Treasurers. But, though he held office under the new scheme, he never ceased to speak his mind about it, and when he and the late President, the Duke of Cambridge, who held him in high esteem, were discussing Charity Commissioners, there was apt to be an entertaining interchange of frank invective.

Indeed, as Treasurer of the old governing body (as well as of the new), Sir Walter offered a largely successful resistance to the efforts of the Charity Commissioners to obtain for the ordinary purposes of the school what were known as the 'exceptod endowments.'"

In 1892 Sir Walter was elected an alderman for the Ward of Cordwainer, and in 1900 was chosen as Sheriff of the City, serving with Sir Joseph Lawrence as his colleague during the late Sir Frank Green's mayoralty. From the commencement of his civic duties Sir Walter was only an occasional visitor at 42 Cannon Street, the direct supervison of the journals being in the hands of Mr. Septimus Morgan, whose son, Mr. Gwyn Vaughan Morgan, joined him in the work in 1895. Later he and his cousin, Mr. Penry Vaughan Morgan (son of the late O. V. Morgan, who was M.P. for Battersea) became partners in the firm, and the direction of the business was in due course brought under their control. The Alderman, on November 9, 1905, became Lord Mayor of London, and "The Times" says of his work in that high office:

"Sir Walter was then seventy-four years of age, and in weak health, and it seemed a risky undertaking; but, materially helped by his niece (Mrs. Hornby-Steer), who acted as Lady Mayoress, he went through it with success and without a breakdown in health. During his term of office he welcomed the present King and Queen (then Prince and Princess of Wales) at the Guildhall on their return from India, when the Prince made a long and important speech describing his tour. Among his guests at the Mansion House during the year were the burgomasters and leading journalists of Germany."

He entered on this office as plain Mr. Morgan and was created a baronet on his retirement; and he was also a Knight of the Order of the Saviour of Greece, of the Order of St. Maurice and St. Lazare of Italy, and of the Rising Sun of Japan, a Commander of the Legion of Honour, and a Knight Commander of the Order of St. Olav of Norway. Freemasonry was his "recreation." He was Grand Treasurer of the Grand Lodge of England in 1897-98, and was also past Grand Warden. He was for years a director of the Hudson's Bay Company, and took an active part in Canadian and Colonial affairs. A man of remarkable powers, especially in finance, Sir Walter Morgan gave freely to civic, charitable, educational, Masonic, and other interests with which he was connected. He was a friend to many, and the esteem in which he was held for his public work was but an echo of the respect with which he was regarded in business.

Funeral and Memorial Services.

The funeral service was held in All Saints' Church Finchley Road, St. John's Wood, on Thursday, at 11 A.M. The congregation consisted chiefly of Sir Walter's relations, with City associates, such as the Sheriffs during his mayoralty, personal friends, and members of the Cannon Street staffs. The service was conducted by the Vicar (the Rev. W. H. Hornby Steer, M.A.) and his assistants.

A memorial service was held at Bow Church, Cheapside, at half-past eleven. This was arranged at the request of the City authorities, and was attended by the Lord Mayor and Sheriffs in state, as well as by many of Sir Walter's City friends. The service, like that at All Saints', was most impressive, and a large congregation, including many from our offices, took part in it.

Wills.

The late G. T. W. Newsholme, Ph.C., Sheffield, left estate valued at 7,421*l.* gross and 1,331*l.* net.

Sir Thomas Lauder Brunton, Bart., who died on September 16, left net personalty amounting to 26,457*l.*

Mr. John Routly, chemist and druggist, 55 Susans Road, Eastbourne, who died on October 21, left estate valued at 3,347*l.* 11*s.* 6*d.* gross, with net personalty 686*l.* 18*s.* 11*d.*

Mr. Francis Worrell Bromley, chemist and druggist, Eythorne, near Dover, formerly in business in London and Lincolnshire, who died on June 13, left estate valued at 1,771*l.* 4*s.* 2*d.*

The will of the late Benjamin Suttley, of New Chalfield, Kent (managing director of Suttley & Silverlock, Ltd., chemists' printers, 92 Blackfriars Road, London, S.E., has been proved at 2,384*l.* gross.

Deaths.

Attenborough.—On November 11, Lena, daughter of Mr. Henry Richmond Attenborough, chemist and druggist, Droylsden, Manchester.

Begg.—At 48 Church Road, Liverpool, on October 31, Mr. Arthur Begg, chemist and druggist, aged fifty-three.

Boulton.—At 8 Liscard Grove, Liscard, Cheshire, on November 4, Mr. Joe Seels Boulton, chemist and druggist, aged seventy-three.

Dawson.—At Blackburn, Brenda Mary, daughter of Mr. Dan Dawson, chemist and druggist, 74 King William Street.

Fourness.—After a lengthy and painful illness, Annie, wife of Mr. Robert Fourness, chemist and druggist, St. George's Terrace, Leeds.

Howard.—Suddenly, from heart-failure, on November 14, Mr. David Howard, D.L., J.P., F.I.C., F.C.S., Chairman of Howards & Sons, Ltd., aged seventy-seven. Mr. Howard was travelling to business from his residence, Devon House, Buckhurst Hill, to Ilford on Tuesday morning as usual, and when the train was approaching George Lane, Woodford, he suddenly fell backward; his fellow-passengers found him to be insensible, and on reaching Snaresbrook Station he was removed from the carriage to the platform, death occurring shortly afterwards. Mr. Howard had sometimes said that death in harness would be dear to him, so his hope was realised. In the passing he has left British chemistry and chemical-industry the poorer; there is none in them quite his kin, and he leaves a record altogether honourable, this reflecting work and accomplishment in the Church, in the Magistracy, in social betterment, and in science. He was a son of Robert Howard and grandson of Luke Howard, F.R.S., founder of the historic business whose rise and development were last described by us on April 25, 1914. His brothers, Colonel S. Ll. Howard and Mr. Theodore Howard, were also in the business, the first-named becoming a partner in 1850 and the latter in 1872, while Mr. David Howard's partnership commenced in 1860. He was the only one of his generation remaining in the business when it was incorporated as Howards & Sons, Ltd., in 1903, with a capital of 130,000*l.*, he being chairman, with his nephews, Mr. A. G. Howard and Mr. G. Eliot Howard, and his sons, Mr. D. Lloyd Howard and Mr. Bernard F. Howard, as his co-directors. In 1857 Mr. David Howard entered his father's firm (then Howard & Kent) as an apprentice, and shortly afterwards became one of the first pupils of Hofmann at the Royal College of Chemistry in Oxford Street, London. This was always a reminiscent period in Mr. Howard's life, as it has been to practically all who had the privilege of participating in what was virtually a new era of chemistry. In his first communication to the Chemical Society, in 1871, Mr. Howard acknowledged his indebtedness to two workers in the College for combustions of a cinchona alkaloid, which was the subject of the communication. By that time Mr. Howard had relieved his uncle, John Eliot Howard, of the supervision of the cinchona-analysis laboratory, and the Chemical Society paper was the forerunner of many investigations regarding cinchona alkaloids, which made him one of the world's experts in the subject. To his knowledge we owe many of the improvements on our Pharmacopœia quinine-monographs. He became a Fellow of the Chemical Society in 1870, a member of the Council in 1875, and Vice-President in 1886, filling both offices on other occasions. He was a founder of the Institute of Chemistry (1877) and a member of the first Council. Treasurer from 1885 to 1903, a Censor on several occasions, President in 1903-6, and thereafter Vice-President for three years. Similarly he was an original member of the Society of Chemical Industry, was Chairman of the London Section, a member of the Publication Committee and of the Council, and President of the Society in 1886-87. He was also for some years Chairman of the Chemical Section of the London Chamber of Commerce, and for nearly six decades was one of the leaders in chemical and drug-trade movements in the Metropolis, a man whose word always carried weight, for the twofold reason that he was a scion of an historic family of technical chemists, and himself gifted in affairs and speech. His association with pharmacy was chiefly that of a manufacturer of pharmaceutical chemicals, and when he delivered the inaugural sessional address to the School of Pharmacy, Bloomsbury Square, on October 5, 1910, he recalled the fact that his father and uncle took the keenest interest in the foundation of the Pharmaceutical Society. He paid tribute to pharmacy then, especially emphasising the fact that the founders of modern chemistry were pharmacists. But Mr. Howard's

interests were many, and his work for everything that he took a hand in was thorough and unremitting. He was one of the Church of England's hard-working laymen. He was founder of the movement for moral rectitude in buying and selling which culminated in the Bribery and Corruption Act. He actively participated in the League that has maintained this Act, and one of his most recent public appearances was when he presided at its annual

Mr. David Howard.

meeting. Mr. Howard was one of the most fascinating public speakers, his beautiful language being uttered in a charming voice, and it was tinctured with humour, and an occasional spice of gentle sarcasm, that delighted even those whom the latter touched. Essentially he was a man of a long generation, who stood out from all others—himself, David Howard, a man ripe in age and full of honours, by whom his fellow-men have benefited. The funeral will take place at St. John's Church, Buckhurst Hill, on Saturday, November 18, at three o'clock. It is particularly reqested that no flowers should be sent.

Lochhead.—At Liverpool on November 8, Alexander Russell Lochhead, dispensing chemist with Symes & Co., Ltd., 14 Hardman Street. Mr. Lochhead was a native of Ayr, and passed the Minor examination in July 1898.

Shaw.—At Padfield, on November 1, Mr. John Shaw, chemist and druggist, formerly of Hollingworth, Ashton, and Oldham, aged seventy-five.

Died on Service.

Alexander.—Private Alfred Alexander, Northumberland Fusiliers, died of wounds on July 4, aged twenty-three. Before joining the Army he was at the branch of Taylor's Drug Co., Ltd., at 141 Elswick Road, Newcastle-on-Tyne.

Clayton.—Died of wounds received in action, Private George William Clayton, for eleven years assistant with Mr. E. J. Wood, chemist and druggist, York, aged thirty.

Cumming.—Second-Lieutenant G. Cumming, son of Mr. J. Cumming, pharmacist, 6 Victoria Street, Crewe, who was reported missing on July 9 last, is now reported to have been killed in action on that date. Lieutenant Cumming joined up in September 1915, when he was granted a commission. He has a brother, also an officer, who has been out to the Dardanelles.

Hilliwell.—Sergt. Harry Hilliwell, of the Duke of Wellington's, who was an assistant with Mr. Gibson Q. Dixon, dispensing chemist, Halifax, has been killed in action.

Phillips.—Private Allen Percy Phillips, son of the Rev. W. Allen Phillips, of Epworth, who enlisted while a chemist's assistant in London, has been killed in action.

Weston.—Private Walter Weston, of the Lancashire Fusiliers, who was killed in action on October 8, aged thirty-five, was formerly manager of one of Needham's pharmacies at Dudley. He served his apprenticeship with Pare Bros., chemists, Bolton, and stayed in the town until two years ago. Private Weston had been at the front for six months, and had taken part in very severe fighting. He leaves a widow and one child.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Doctor Removed from Panel.

The findings of the Committee of Inquiry held at the office of the National Health Insurance Commission on October 9 and 23 (*C. & D.*, October 14, p. 45, and October 28, p. 49), with regard to the continuance on the Leeds panel of Dr. Edmond Heskin, have been promulgated. The Committee is satisfied that the continuance of Dr. Heskin on the medical list would be prejudicial to the efficiency of the medical service of the insured, and have directed that his name be removed from the list.

Reports from Local Centres.

ENGLAND.

Blackburn.—The Insurance Committee have prepared statistics dealing with the cost of drugs for the six months ended June 30, for the various centres in Lancashire, of which the following embodies the essential part:

	Total Cost of Prescription. *d.*	No. of Prescriptions.	Average Total Cost per Prescription. *d.*
Barrow	260,501.17	45,428	5.73
Blackburn ...	456,262.54	80,899	5.65
Blackpool ...	113,426.76	18,365	6.18
Bolton	652,720.75	112,327	5.81
Burnley	308,754.04	57,585	5.36
Bury	132,643.64	27,326	4.87
Oldham	556,063.95	91,107	6.10
Preston	345,874	64,427	5 37
Rochdale	368,744.95	55,339	6.66
Westmorland ...	84,770.45	13,467	6.29
Totals ...	3,279,763.21	566,270	5.79

At the meeting of the Insurance Committee the resignation of Mr. C. H. Hacking, chemist and druggist, Copy Nook, from the panel was accepted. A report on military service and panel chemists was received.

Bristol.—At the meeting of the Insurance Committee on November 6, the Medical Benefit Sub-Committee reported that they have been unable to agree with the Military Representatives regarding the indispensability of certain panel chemists, and the matter has been referred to the Commissioners. A case was mentioned where every assistant had enlisted, and another where thirty-four assistants had joined the Forces. In the first case the proprietor was ill from overwork, and the shop had to be closed for six weeks; in the other case the one man retained was regarded as essential.

Bucks.—The Insurance Committee at their last meeting adopted a recommendation by the Panel Committee to surcharge certain practitioners for excessive prescribing.

Bury.—At the meeting of the Medical Benefit Sub-Committee on November 7, statistics were received from the Prescription-pricing Bureau. For the first six months the average price of the ingredients per prescription was 2.19*d.*, and of dispensing-fees 2.67*d.* A report was received regarding military service and panel chemists. The Pharmaceutical Committee has applied for permission to discontinue the chemists' rota which has been formed for Sunday and Tuesday evenings.

Derby. Returns relating to the work of the North Midland Pricing Bureau were laid before the Insurance Committee at their meeting on Wednesday evening. The summary for the borough for the period ended March 31 showed that the cost of the ingredients in the prescriptions was 509*l.* 14*s.* 5*d.*, and the dispensing-fee 338*l.* 4*s.* 9*d.* The number of prescriptions was 31,481, and the average cost 6.47*d.* The prescriptions priced by the Bureau had been checked by the Pharmaceutical Society, and it was found that the percentage of errors against the Bureau had decreased from 1.30 in January to 0.37 in July. The preliminary estimate of the expenditure of the Bureau for 1917, based on 1,907,000 prescriptions (not forms), was 1,680*l.*, working out at 17*s.* 7.4*d.* per thousand. In the

course of a discussion on a proposed reduction of doctors' surgery-hours, which was not sanctioned, Mr. W. Elmitt mentioned that in consequence of the revision by the Home Secretary of the original Order for the early closing of shops, the chemists of the town had rescinded their resolution to close at 7 P.M., and are keeping their establishments open until 7.30, as formerly.

Dorset.—At the meeting of the Insurance Committee, the Finance Committee reported that chemists' accounts for the past quarter amounted to 549*l.* 2*s.* 2*d.*, the largest account being 35*l.* 11*s.* 2*d.*, and the smallest 1*s.* 2*d.* The Committee has received the credits for 1915, and it is hoped to distribute the balances of chemists' accounts shortly.

Essex.—A meeting of the Pharmaceutical Committee was held on November 14, Mr. J. H. Matthews in the chair. The following alterations in the panel of chemists were reported: *Addition*: Mr. A. Moyse, Woodford. *Withdrawals*: Messrs. R. Sandy, Forest Gate; T. H. Seed, 10 Parade, Leytonstone; G. W. Worfolk, Great Bardfield. A vote of deep sympathy was passed with Mr. E. H. Slater (Epping), a member of the Committee, on the death of his wife. The result of ballot, ensuring an adequate service, was announced. It was decided to endeavour to try and induce chemists in one or two rural areas, at present in the hands of medical men, to accept service. The report of the Central Checking Bureau was discussed and adopted. The new Essex Formulary having been issued with a covering letter, which stated that through the kindness of the Essex Insurance Committee the book was forwarded, it was felt that a wrong impression would be conveyed by such wording. It was decided, therefore, to bring the notice of both Insurance and Panel Committees to this accompanying letter, inasmuch as the Insurance Committee has been and is still a strong opponent of stock mixtures, this time included in the Formulary. It was decided to co-opt two chemists to fill vacancies upon the Committee caused by the non-attendance of two members.

London.—A meeting of the Pharmaceutical Committee was held at Bank Chambers, High Holborn, W.C., on November 14, Mr. A. R. Melhuish in the chair. Among the matters reported by the Secretary was the question of the abbreviation of prescriptions, about which a circular is to be issued. Chemists are also to be reminded of the importance of submitting their accounts promptly. The report of the Conference between the Pharmaceutical Committee and the Insurance Committee on the arrangements for 1917 was received and adopted. The report indicated that the Pharmaceutical Committee took the opportunity of making representations on the question of stock mixtures, "rep. mist.," and the eight-o'clock Closing Order. The Secretary was instructed to forward a resolution to the Insurance Committee for their consideration on the question of the pharmaceutical service and the incidence of the Home Office Closing Order at 8 P.M. It was also decided to communicate with the Panel Committee on the same subject.

Middlesex.—At a meeting of the Pharmaceutical Committee, held on November 8, the chair was taken by Mr. H. E. Clement. A resolution received from the Thames Valley Association, expressing dissatisfaction with the result of the negotiations conducted by the Pharmaceutical Society in the matter of Insurance dispensing, was directed to be sent to the Society. The result of the ballot on the question of remaining on the panel was then communicated; only seven chemists had decided to go off the panel, and of these three were terminating their agreements for other reasons than dissatisfaction with the terms proposed. A resolution from the North London Association, in favour of general closing at eight o'clock, was directed to be sent to the various district Associations for consideration. The report from the Prescription-checking Department stated that the number of Middlesex scripts received at the South-Eastern Pricing Office for the month of September was 52,728, and the average cost per script was 6.8*d.*, or a slight increase on that for the previous month. In regard to the October pricing and checking, which is now in progress, it is found that stock mixtures show a tendency to increase, and studied economy in prescribing continues to be evident. Copies of the new Middlesex Formulary have been sent by the Panel Committee to all chemists on the panel, and would regulate the future pricing of prescriptions. A further analysis of the figures for the first six months of the present year shows that, after taking into account the increased establishment-charge allowance of 0.3*d.* per prescription, it would be necessary to make a further addition of approximately 11 per cent. to bring this year's payments up to the 1915 level. There is a considerable reduction in the Middlesex chemists' gross profits under the existing Tariff; the prices fixed for certain appliances are too low. Establishment-charges of chemists' businesses continue to increase.

Preston.—At the meeting of the Insurance Committee on November 8, the minutes of the Medical Benefit Sub-Committee stated that the Special Committee appointed to consider the question of earlier closing of chemists' shops in consequence of the lighting restrictions reported they had met representatives of Panel and Pharmaceutical Committees, and the following hours of closing had been agreed to: Monday, Tuesday, Wednesday, and Friday, 8 P.M.; Saturday, 9 P.M.

Sussex (E.).—At the meeting of the Insurance Committee on November 7, the Medical Benefit Sub-Committee recommended payments to chemists of the balances due for the June and September quarters. The report was agreed to.

SCOTLAND.

Drug Accounts.—With the object of enabling the Central Checking Bureau to undertake the systematic check of prescriptions Insurance Committees are to instruct chemists to see that the following points are given effect to before prescriptions are sent in:

1. To give, in the case of any special prescription, the maker's name and the *net* cost price of the article.
2. To note the number when lozenges, tablets, etc., are ordered by weight, or, in the case of non-Tariff articles, the weight when ordered by number.
3. To state the weight supplied when lint, wool, etc., are ordered by length, also the measure when oiled silk, oiled cambric, and G.P. tissue are ordered by weight.
4. To fill in the quantity supplied when syrup or mucilage is ordered "q(uantum) s(ufficit)" or in similar instances.
5. To indicate the interpretation adopted by the dispenser in regard to any doubtful points in a prescription.
6. To send A. Forms and A. Forms only to the Bureau. It has been observed that in a number of cases B. Forms and even C. Forms have been forwarded.

Notes.

Supply of Medicine to Insured Persons.—A London chemist, whose name was not disclosed, gave evidence on November 14 before the (Unofficial) Commission of Investigation into the Working of the National Insurance Acts. He stated that doctors are compelled, owing to the limit of the Drug Fund and to the fact that insured persons always demand medicines, to prescribe valueless drugs. He said that 60 per cent. of the prescriptions are humbug.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Christmas and Early Closing.

The Home Secretary intimated on Tuesday, November 14, that an extension of hours, under the new Early-closing Order, will be authorised during the Christmas holidays, but he has not yet received the views of the local authorities whom he has consulted. The decision will be announced in good time.

Syrolit.

Mr. Runciman's attention is being directed to the new British industry of syrolit, in connection with the manufacture of combs, etc., and the right hon. gentleman is being asked whether he is aware that it has taken the place of a German importation—galolith—and whether care will be taken that the new industry will not be destroyed after the war by the bounty-fed products of Germany.

Pharmacists and the Early-closing Order.

Mr. Charles Roberts, M.P., informed Mr. Yeo, in the House of Commons on November 9, that he is not aware that the new Early-closing Order, which specifically provides for the case of the supply of medicines, etc., involves any material disturbance of the present dispensing service for insured persons. If the hon. member would inform him of any particular case of difficulty which he has in mind he will make inquiries. (See *C. & D.*, November 11, p. 47.)

Secret Chemical Processes.

As bearing upon the representations recently made to the Ministry of Munitions by the Association of British Chemical Manufacturers, it may be stated that Dr. Addison, in reply to a further question in the House of Commons on November 14, intimated that full opportunity is given to inventors to demonstrate those inventions submitted to the Inventions Department of the Ministry which appear, after full consideration of the advantages claimed, to be of military value. These inventions are not vised by persons who are in any way rivals or competitors. This system has obtained without modification since the formation of the Department in 1915.

T.N.T. Poisoning.

It was announced by the Home Office in the House of Commons on Tuesday that the number of deaths from T.N.T. poisoning for the six months ended October 31 was forty-one. It was impossible to say how many of these were caused by inhalation of fumes, and there is no reason to suppose that absorption through the skin is the chief danger, as there may be absorption of poison by both channels in the same case.

Dr. Addison also announced that a Committee has been appointed by the Ministry of Munitions to examine the problems arising out of T.N.T. poisoning. Its recommendations, so far made, have been adopted, and are in effect.

Morphia and Cocaine.

In the House of Commons on Thursday, November 16, Mr. Theodore Taylor, M.P. for Radcliffe (N.E. Lancs), asked the Foreign Office what Powers have signed the Protocol opened at the Hague after the Opium Conference in 1914; whether the Department has received information as to the smuggling of morphia from Japan into Manchuria and China, and whether morphia manufactured in Great Britain is exported in large quantities to Japan. The hon. member is also asking the Board of Trade the amount and value of British-made morphia exported abroad during the last three years, and the destinations, and whether the amount of cocaine exported in 1915 was larger than in any previous year.

Mr. Runciman said in the year 1915, 17,647 oz. of British-made cocaine was exported from the United Kingdom to various destinations. These exports were greater than in any year since 1911. The other question in regard to morphine was not reached.

The Cocaine Inquiry.

The Home Secretary announced, in reply to Mr. P. W. Raffan, M.P., on November 14, that the members of the Departmental Committee to consider whether supplies of cocaine are to continue to be available for dental purposes would be: The Right Hon. Charles Hobhouse, M.P. (Chairman), Mr. Stanley Baldwin, M.P., Professor Bayliss, Mr. James O'Grady, M.P., and his Honour Judge Ruegg. The terms of reference t othe Committee will be to consider the authorisations granted for the use of cocaine in dentistry, and to advise whether or not they should be continued or modified, and, if continued, in what cases and with what conditions. On this being announced, Mr. J. M. Hogge asked: "Will the use of cocaine by the unregistered dentists be allowed to continue until the Committee presents its report? To this Mr. Herbert Samuel replied, "Yes."

Mr. Raffan asked whether it is quite clear that under the terms of reference inquiry can be made as to whether the use of cocaine should be continued to registered dentists as well as to undegistered dental practitioners.

Mr. Herbert Samuel: Yes.

When Does Medical Benefit Begin?

In reply to Mr. Yeo's question as to panel doctors not being informed when insured persons become entitled to Medical Benefit, and if prescriptions given by the doctor to such persons are paid for out of the Drug Fund, Mr. Charles Roberts stated on November 9 that it is not possible within the limits of an answer to a Parliamentary question to deal adequately with the hon. member's several points, which involve the whole of the large question of Health Insurance finance. The matter has, however, only quite recently been the subject of discussion in detail between the Commissioners and representatives of the medical profession. He was sending the hon. member a copy of a pamphlet which had been prepared at the request of those representatives for the purpose of correcting misapprehension.

Methods of German Dye-makers.

In the House of Commons on November 14, Sir W. Byles, M.P., asked Mr. Austen Chamberlain to state how, if the native source of supply of natural indigo is most important, the interests can be looked after by the expert Committee as at present constituted; whether it is proved that not 50 per cent. of the users of natural indigo dye can use, and consequently do not purchase it in the form persisted in by the Indian manufacturers; and whether, therefore, the German dye-makers' method of bringing a direct connection between maker and user is not essential to the success of the effort to revive this industry.—Mr. Chamberlain replied that if the investigations are successful it is thought they will serve the interests of growers and manufacturers equally with those of Behar Provinces. The fact that natural indigo is at present put on the market in an unsuitable form is the main reason for the present scheme of research, which, if successful, will provide a practical remedy.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., November 16, 5.30 p.m.

The improvement in business noted last week has continued, and prices of several staples are on the upward trend, particularly quinine and menthol, the former again showing a substantial advance. Shellac is a further 5*s*. to 6*s*. higher on the week, but closes below the best. Otto of rose is still advancing, and a good business has been done. English castor, linseed, and wood oils are dearer; peppers, pimento, and cloves are firmer. Bergamot oil easier, lemon unchanged, sandalwood very firm and not likely to be cheaper. Among fine chemicals, acetanilide, amidopyrin, hydroquinone, methyl salicylate, methyl sulphonal, salol, phenazone, and sulphonal are more or less cheaper; salicylates are still sagging, and lower prices are cabled from America. Potash bromide is firm and not too plentiful on spot. Copper sulphate is strong and dearer.

Higher	Firmer	Easier	Lower
Bleaching-powder	Cinnamon	Acetanilide	Amidopyrin
Canary-seed	Cloves	Bergamot oil	Hydroquinone
Castor oil (Eng.)	Coconut oil	Potashes	Ipecacuanha
Coriander-seed	Honey	Sulphonal	Methyl salicylate
Cumin-seed	Mace (W.I.)		Methyl sulphonal
Dillseed	Pimento		Phenazone
Linseed oil	Soya oil		Rhubarb
Menthol	Sulphur		Salol
Nutmegs			Senna-pods (Tv.)
Otto of rose			
Palm oil			
Peppers			
Quinine (see. (hands)			
Shellac			
Wood oil			

Cablegram.

New York, November 15.—Business in drugs is fair. Menthol is dearer at $3.15, and peppermint oil in tins is easier at $2.10. Mexican sarsaparilla has advanced to 13c. Salicylic preparations are lower, salicylic acid being now $1.20, methyl salicylate $1.20, sodium salicylate $1.25, and salol $2.50 per lb. Quinine is higher at 55c. per oz.

Acetanilide is easier at from 2*s*. 9*d*. to 3*s*. per lb. net as to quantity.

Amidopyrin is offered at from 55*s*. to 60*s*. per lb. net, being lower.

Ammonia Sulphate remains firm. Home-trade price is 15*l*. 10*s*. for November-March delivery. Export prices are: London, prompt, 25-per-cent., 17*l*. per ton net, naked at works; Hull, 24-per-cent., 17*l*. 15*s*.; Liverpool, 18*l*. to 18*l*. 2*s*. 6*d*.; Leith, 18*l*. 2*s*. 6*d*. to 18*l*. 5*s*., less 3½ per cent. in bags f.o.b.

Anise Oil (Star) is steady at 3*s*. 6*d*. per lb. spot, and for distant shipment 3*s*. 5*d*. c.i.f. is quoted. In the drug-auction one case of ullaged sold at 3*s*. 2*d*. per lb. subject.

Barbitone on the spot is quoted at 95*s*. per lb. net, and 97*s*. 6*d*. to arrive.

Benzoic Acid is only obtainable in small lots, and probably 27*s*. 6*d*. net would have to be paid.

Bergamot Oil is rather cheaper, 38-per-cent. esters offering on the spot at 19*s*. per lb. net. In auction four cases, analysing 40.4 per cent., and two cases, analysing 38.4 per cent. esters, were limited at 20*s*. per lb. net.

Bromides.—*Potash* is firm with sales to arive at 6*s*. 6*d*., and on the spot from 7*s*. to 7*s*. 3*d*. is quoted for crystals, and slightly less for granular. *Ammon. brom.* is 5*s*. 6*d*., and *sodium* 4*s*. 6*d*.

Camphor.—In the drug-auction a parcel of 25 cases Japanese refined sold with all faults at 3s. per lb. for ¼, ½, and 1 oz. tablets. The exports from Japan during August amounted to 497,104 kin, valued at 497,705 yen. During the eight months ended August 31 the exports were:

	1914	1915	1916
Kin	1,925,982	2,494,473	3,672,465
Yen	1,722,888	2,243,524	3,476,454

The destinations were as follows:

To	1914 Kin	1915 Kin	1916 Kin
British India	10,399	16,588	9,421
Great Britain... ...	37,049	47,010	107,163
France	17,829	37,162	60,338
Germany	82,800	—	—
United States... ...	71,362	112,516	88,838
Other countries ...	7,106	22,191	10,274
	225,545	235,467	276,034

Cananga Oil.—Business has been done in genuine Java at 17s. per lb. c.i.f. London.

Canary-seed has continued in demand, and prices are again dearer at 86s. per quarter for good Morocco and at 85s. c.i.f. terms for prompt shipment.

Caraway-seed is still unobtainable from Holland.

Chamomiles are inquired for but stocks are apparently non-existent on the spot; possibly a few bales of brown might be had at 250s.

Chiretta.—The *Khiva* has brought thirty bales from Calcutta.

Cinchona.—The London bark-sale of 700 packages due to be held on Tuesday was postponed until the following Tuesday, November 21, owing to the sudden death of Mr. David Howard.

Citric Acid is unchanged at 2s. 6d. for prompt delivery.

Cloves are higher, with sellers of fair Zanzibar at 7½d., and buyers at 7¼d.; to arrive the sales include November-January shipment at 6⅞d. c.i.f.

Cocoa-butter.—At auction 800 cases *Fry's* and 1,000 (1-cwt.) cases *Lyon's* were bought in.

Cod-liver Oil.—Our Bergen correspondent writes on November 6 that the quotation for finest non-congealing oil still remains nominal in the absence of business.

Copper Sulphate continues strong and again rather dearer at from 60l. to 61l. per ton for prompt to March shipment.

Coriander-seed is again dearer, ordinary Morocco having been sold at 35s. up to 37s. 6d. per cwt., and fair at 38s., with 40s. now asked.

Cream of Tartar.—In rather more demand, the spot quotation for 98-per-cent. being 180s. per cwt.

Cumin-seed is dearer, with sales of sifted Morocco at 87s. 6d. per cwt.

Dill-seed has been sold at 24s. 6d. per cwt. gross weight, without discount, being dearer.

Fenugreek-seed is firm at 28s. per cwt. on the spot for fair Morocco.

Glucose is dearer, American liquid being worth about 28s. 6d. per cwt. in small lots ex wharf London; starch-powder is about 20s. 6d.

Hydroquinone is again lower, offering at 14s. net, and even less.

Lemon Oil is quiet and unchanged, spot offering at 3s. 9d., and new crop 4s. per lb. c.i.f.

Lime Oil.—Fair West Indian distilled is quoted at 9s. per lb.

Mace.—At auction the large supply of 358 packages offered and sold at steady to firmer rates, but broken was 3d. per lb. dearer.

Menthol is again higher, and has been freely sold at from 13s. 3d. to 13s. 6d. for Kobayashi, and at 13s. to 13s. 3d. for Suzuki on the spot; sales of November-December shipment have been made at 12s. 9d. c.i.f. In the drug-auction five case of Tase brand were limited at 12s. 6d., a bid of 12s. 4d. being refused.

Methyl Salicylate is offered at the lower rate of from 6s. 2d. to 7s. per lb. on the spot.

Methyl Sulphonal is offered at 60s. net on the spot and to arrive, being lower.

Nutmegs.—The large supply of 1,163 packages West Indian offered at auction and practically all sold, large sizes being 2d. to 3d. higher, small and medium sound, steady to firm, and defective and broken 1d. higher.

Oils (Fixed).—*Linseed* is 1s. 9d. dearer, closing at 50s. 4½d. per cwt. in pipes landed and 51s. 3d. in barrels. *Cottonseed* is nominal for crude in pipes and pale refined in pipes is 51s.; for sweet refined in barrels from 54s. to 56s. is quoted. *Rape* is 6d. dearer; ordinary brown naked on spot is 50s.; British refined in barrels is 54s., and Japanese in cases is 49s. 6d. c.i.f. for November shipment. *Coconut* is 1s. better at 60s. for Ceylon in hogsheads on spot and 58s. in pipes. Cochin on spot is 60s. to 62s., and London pressed is 53s. Hankow *Wood* oil is much dearer at 71s. 6d. spot and 65s. c.i.f. *Soya*—Hull (spot) crushed is 47s. 6d., and extracted 44s. Lagos *Palm* is dearer at 46s. 6d. on spot, and 42s. 6d. ex quay Liverpool.

Opium.—Persian remains very firm and in limited supply, with holders asking 31s. per lb. for 10-per-cent. There are buyers in quantity at slightly below this figure.

Otto of Rose.—The advance in Bulgarian otto has continued, and a good business has been done at from 70s. to 72s. per oz., and up to 75s. is quoted for good brands, with offerings restricted. *French* is quoted at from 40s. to 45s.

Peppers are dearer in all positions, the value of Singapore black being 8⅞d., Tellicherry 9¾d., and Lampong 8⅞d. on the spot; to arrive, sales include Singapore black at 8¾d. for near shipment and January-March at 8⅞d. c.i.f. d.w. The value of *white* Singapore on the spot is 9¾d., Muntok 10⅛d., and Penang 9¾d.

Peppermint Oil.—American tin oil is quiet, offering at 10s. net to arrive: some quantity was recently sold at 9s. 6d. net for a good brand; spot is 10s. net.

Phenazone is offered at 36s. per lb. net.

Podophyllum-root is offered at 60s. per cwt. c.i.f. to arrive.

Potashes.—First Montreal are obtainable at 135s. on the spot, and a little less for quantity.

Quinine.—Dearer. A good business has again been done for export chiefly to Russia, and this aided by speculators has sent up prices a further 6d. to 7d. per oz. on the week, up to 2s. 11d. having been paid for B. and S. and/or Brunswick and other good brands.

Salicylates are still sagging, and competition for business is keen. Few sales are being made to arrive, either American *acid* or powder offering at 6s., and on the spot 6s. 3d. to 6s. 6d. is quoted for acid, and 7s. to 7s. 3d. for sodium salicylate.

Salol is again lower at from 11s. 6d. to 12s. net as to seller.

Shellac shows a further considerable advance, the spot value of usual standard TN Orange quality being 141s.; fine Orange is quoted at 160s. to 162s. 6d., AC Garnet 140s., and GAL 130s. Futures have been irregular but dearer, the sales including December 134s. to 141s. to 138s. 6d. and March 137s. to 143s. to 141s.

Soda Nitrate is firm, Liverpool quoting 17l. 10s. to 18l. 10s. per ton for ordinary to refined, ex store net cash; on the spot, both ordinary and refined are quoted at 18l. 10s.

Sulphonal has sellers of either crystals or powder at 29s. 6d. net.

Sulphur.—Sicilian flowers are now 18l. 10s. and roll 13l. per ton net ex wharf.

Tartaric Acid is obtainable at 2s. 6d. per lb. on the spot, but for crystals 2s. 7d. would have to be paid.

Turpentine shows little change on the week, American closing at 45s. 1½d. per cwt. on the spot.

Valerian.—Belgian has been in fair demand for American account, but owing to the small supply it still remains unsatisfied. For a parcel of fair Japanese 120s. was asked in auction, at which sales have been made privately.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, E.C., November 16.

A large quantity of goods offered at the auction to-day, but comparatively little was sold. Cape aloes was flat and almost unsaleable; small sales of Sumatra benzoin were made at steady prices. Refined camphor also sold steadily without reserve. Siam gamboge is held for previous high prices, and several parcels of sea-damaged Matto Grosso ipecac. sold at lower rates, and for Cartagena easier rates were also accepted. Myrrh brought steady prices, and rhubarb was forced off without reserve. Grey Jamaica sarsaparilla sold at previous prices, but no sales of native Jamaica were effected. Beeswax was quiet in auction, but privately the market is very firm. Honey in good demand and rather dearer. Senna steady. The following table shows the quantity of goods offered and sold:

	Offered	Sold
Aconite (Jap.)	5 ...	0
Agar-agar	30 ...	20
Ajowan-seed.....	67 ...	0
Albumen	33 ...	*5
Almond oil	10 ...	0
Anise oil, star ...	1 ...	1
Annatto-paste ...	2 ...	0
Annatto-seed	5 ...	0

Aloes—	Offered	Sold
Cape	128 ...	5
Socotrine (kgs.)	10 ...	0
"Zanzibar"	12 ...	0
Apricot kern.	139 ...	0
Areca	30 ...	0
Balsam (Canada)...	1 ...	0
Balsam tolu	24 ...	0
Bergamot oil	6 ...	0

	Offered	Sold
Benzoin—		
Palembang	13	0
Siam	32	31
Sumatra	216	17
Boldo-leaves	18	0
Buchu	30	0
Burgundy pitch (cwt.)	1	0
Calamus oil	4	0
Calumba	55	0
Camphor (Jap. ref.)	25	25
Cannabis ind.	63	0
Cantharides	43	0
Cardamoms	63	20
Cascara sagrada	266	0
Cashew-nuts	76	0
Cassia oil	10	0
Castor oil	50	0
Chiretta	17	0
Cinchonidine sulph. cs.	4	0
Cinnamon-bark oil	3	0
Cinnamon-leaf oil	5	0
Coca-leaves	4	0
Cochineal	41	0
Condurango	58	0
Cubebs	22	0
Cuttlefish-bone	38	0
Digitalis	149	0
Dill-seed	20	*20
Dragon's-blood	35	*2
Egg-yolk	2	0
Elemi	47	0
Ergot	24	0
Eucalyptus oil	47	0
Euonymus-bark	40	0
Fennel-seed	56	*56
Galangal	15	0
Galbanum	7	0
Galls (Ch.)	75	0
Gamboge	11	0
Gentian	157	0
Guaiacum	9	1
Gum acacia	48	4
Henna-leaves	15	15
Honey—		
Cuban	405	295
Dominican	22	22
Haytian	70	43
Honolulu	310	310
Jamaica	433	433
St. Lucia	190	132
San Domingo	229	229
Insect flow. (Jap.)	30	5
Ipecacuanha—		0
Cartagena	10	3
East Indian	30	0
Matto Grosso	34	11
Jalap	144	0

	Offered	Sold
Juniper ber.	84	0
Kamala	10	0
Kola	256	4
Laurel-leaves	66	0
Lemongr. oil (dms.)	5	5
Lime-juice (pns.)	18	0
Liquorice-root	32	0
Liq.-root (crushed)	100	0
Lobelia	5	0
Lycopodium .. bgs.	20	0
cwt.	2	0
Manna	5	0
Mastich	1	0
Menthol	5	0
Mint oil	30	20
Myrrh	31	18
Nux vomica	20	0
Olibanum	201	2
Orange-peel	6	0
Otto of rose ...(vs.)	5	0
Patchouli-leaves	4	0
Piche herb	20	0
Podophyllum	10	0
Quillaia (cut)	4	0
Quince-seed	4	0
Rhubarb	51	21
Sandalwood	21	0
Sandarac	10	0
Sarsaparilla—		
Grey Jam	30	18
Honduras	12	12
Mexican	50	0
Native Jam	17	0
Senega	15	0
Senna and pods—		
Alex. & Arabian	100	2
Tinnevelly	1516	32
Soy	28	3
Sticklac	25	0
Stramonium	3	0
Tamarinds	73	0
Tonka-beans	15	0
Tragacanth	148	23
Turmeric	369	14
Turpentine (Ven.)	1	0
Valerian (Jap.)	11	0
Wax (bees')—		
Abyssinian	11	0
Chinese	11	0
East Indian	78	0
Grenada	1	1
Jamaica	24	0
Morocco	22	0
St. Lucia	2	1
Spanish	19	8
Wax (Chin. veg.)	2	0
Wax (Japan veg.)	50	0
Wild-cherry bark	35	0
Wood oil	2	0

* Sold privately.

AGAR-AGAR.—A lot of 20 bales No. 1 Kobe strip sold without reserve for account of whom it may concern at from 1*s.* 8¾*d.* to 1*s.* 9*d.*

ALOES was almost unsaleable. Of Cape 128 packages offered and five only sold, comprising four cases of ordinary seconds, part drossy, at 36*s.*, and a case of fair bright, but ullaged, at 39*s.* For good firsts 41*s.* was asked.

ANNATTO-SEED.—Fair Madras is obtainable at 8*d.* per lb.

BENZOIN.—Quiet. Three cases ordinary cross-cut Sumatra seconds, part badly packed, sold at 5*l.* 5*s.* to 5*l.* 15*s.*, and for four cases common thirds 85*s.* was paid. Four cases of fair almondy seconds sold at 7*l.* 10*s.*, and a single case of cross-cuts of old fracture at 7*l.* 2*s.* 6*d.* Thirteen cases inferior Palembang fourths were limited at 67*s.* 6*d.* per cwt.; of Siam 20 cases of good small brown grains in shivery block sold at 12*l.*, and 11 cases hard blocky siftings at 8*l.* 10*s.* per cwt.

BUCHU.—Nothing sold, the value of good bold clean green being 5*s.* 9*d.*, and fair round, slightly yellowish, was obtainable at 5*s.* 6*d.*, longs at from 3*s.* 2*d.* to 3*s.* 9*d.*, and ovals at from 2*s.* 10*d.* to 2*s.* 11*d.*, as to quality.

CARDAMOMS.—Owing to restrictions on export there is practically no market at the moment, and only 63 cases offered and a few sold, including Ceylon-Mysore, small pale, 1*s.* 5*d.* to 1*s.* 6*d.*; medium pale splits, 1*s.* 6*d.*; small splits, 1*s.* 3*d.*; Indian, small pale, 1*s.* 6*d.*

CHIRETTA.—A lot of 17 bales was limited at 9*d.* per lb. for good quality. Fair arrivals are taking place.

CINNAMON OIL.—Five cases of fair Ceylon leaf offered, for which 5*d.* was the limit, and a bid of 4½*d.* was refused for part. Three cases of Ceylon bark oil were held at 1*s.* 3*d.* for fair bright.

ELEMI.—Several parcels were on offer, the value of good pale being 60*s.* per cwt.

GENTIAN.—Several parcels of new crop were offered, but no sales were effected, the value of good being about 80*s.* per cwt.

GUAIACUM.—A single bag of fair glassy block sold at 1*s.* 1*d.* per lb.

HENNA-LEAVES.—A lot of 15 bales sold at 27*s.* 6*d.* per cwt.

HONEY met with an excellent demand in spite of the abnormal quantities offered; prices favoured sellers. Practically all the *Jamaica* (433 packages) sold, including nice pale set in barrels, 46*s.* to 50*s.*; pale brownish set, 38*s.* to 41*s.*; fair to good yellow set, 38*s.* to 39*s.*; ordinary brown set, 35*s.* to 37*s.*; ordinary dull set and setting, 35*s.* 6*d.* to 37*s.* 6*d.*; ullaged, 31*s.* Fair amber liquid, 41*s.*; dark to darkish brown liquid, 35*s.* to 38*s.*; and inferior dark liquid, 34*s.* 6*d.* *St. Lucia* in tins and cases: dull to fair darkish liquid, 36*s.* to 37*s.* 6*d.*; and dark, 34*s.* *St. Domingo* in casks: mostly fair set, 37*s.* 6*d.* to 39*s.*, and fair liquid, 43*s.* *Hayti*: good pale set, 46*s.* 6*d.*; fair amber liquid, 40*s.* to 41*s.*; brown set, 34*s.* to 37*s.*; pale set, 38*s.*; 17 barrels common brown set sold at 30*s.* to 31*s.* *Dominican*: ordinary dark liquid, 38*s.* *Honolulu*: 310 cases, including fair brown liquid, 37*s.* 6*d.* up to 41*s.* for pale yellow. *Cuban*: pale set white, 51*s.* to 52*s.* 6*d.*; good pale setting, 42*s.* to 43*s.*; fair to good amber setting, 39*s.* to 42*s.*; common dull brown liquid, 33*s.*; inferior, 29*s.*

INSECT-FLOWERS.—Four bales of "open" Japanese sold at 95*s.* for sea-damaged; for sound 125*s.* was asked.

IPECACUANHA was lower, the chief sale comprising 11 bales Matto Grosso, 8*s.* 7*d.* being paid for good bright, slightly sea-damaged, 7*s.* to 7*s.* 6*d.* for fair ditto, and 6*s.* to 6*s.* 9*d.* for more or less sea-damaged. In another instance a string of 23 bales slightly sea-damaged was limited at 9*s.* Six bales of very lean Matto Grosso pickings sold at from 3*s.* 11*d.* to 4*s.* 1*d.* per lb. without reserve. Three bales of fair grey Cartagena sold at from 6*s.* 10*d.* to 6*s.* 11*d.*, being cheaper. The price of fair sound Matto Grosso is 10*s.*

KOLA.—At the drug-auction the large quantity of 250 bags mouldy and damaged Jamaica was bought in. Four bags of very small Java sold at 4½*d.* In the spice-auction 13 bags of West Indian sold at from 5*d.* to 5½*d.* per lb.

LEMONGRASS OIL.—Five drums from Messina sold at 1½*d.* per oz.

MINT OIL.—Privately, sales of Kobayashi and (or) Suzuki for November-December shipment have been made at 4*s.* 1½*d.* per lb. c.i.f., and on the spot 4*s.* 4½*d.* is quoted. In the drug-auction 10 cases of Kobayashi sold without reserve at 4*s.* 1*d.*, and for nine cases of an outside brand of Japanese oil (in prize) from 3*s.* 9*d.* to 3*s.* 10*d.* was paid with all faults, and a single case American went at 6*s.* 1*d.*

MYRRH.—Seven bales of bold pea-size sold at from 40*s.* to 42*s.*, seven bales of dusty siftings at 37*s.*, three bales of dark pickings at 35*s.* subject, and four bales of caked dust at 25*s.* Nine bales of common dark small, partly blocky mixed sorts were limited at 52*s.* 6*d.* per cwt.

OLIBANUM.—Two bags of bold siftings sold at 35*s.*

RHUBARB was lower, 21 cases being offered without reserve, comprising medium round *Shensi*, wild character, with three-quarters fair pinky fracture, at 1*s.* 10*d.*; medium to bold round ditto, two-thirds palish pinky fracture, 1*s.* 7*d.*; medium ditto, 1*s.* 6*d.*; medium flat ditto, 1*s.* 4*d.*; also round 1*s.* 4*d.* and pickings 1*s.* *Canton*, medium-size round, with three-quarters fair pinky fracture, 1*s.* 3*d.*, and pickings 1*s.* 1*d.* Medium to bold flat High-dried, with three-quarters fair pinky fracture, 1*s.* 3*d.*; small and medium, 1*s.* 2*d.*; medium round horny High-dried, 7½*d.* to 7½*d.* Under usual conditions 2*s.* 6*d.* was wanted for medium round Canton, with three-quarters good pinky fracture, and 2*s.* 6*d.* for flat ditto; 1*s.* 4*d.* for flat High-dried and 8½*d.* for horny High-dried.

SARSAPARILLA.—Grey Jamaica, of which 26 bales offered, sold at firm rates, fair realising 1*s.* 10*d.* and ordinary 1*s.* 9*d.* Of Honduras 12 bales offered and sold at from 1*s.* 6*d.* to 1*s.* 9*d.* Red native Jamaica was neglected.

SENNA.—Only a small proportion of the offerings sold at generally better prices. *Pods* were unsaleable except at a reduction of fully 3*d.* per lb., a few bales selling at 6*d.* for fair. Good bold green Tinnevelly sold at 8½*d.*; ditto, slightly yellowish green, 6¾*d.* to 7¾*d.*; bold and medium greenish, 5*d.* to 6½*d.*; small bright green, 4*d.* to 4¾*d.*; ordinary small and medium yellowish, 3*d.* to 3½*d.*; and inferior small and medium specky and stalky, 2¼*d.* to 2¾*d.*

Soy.—Three half-casks of Seuloong brand sold at 2*s.* 6*d.* per gal., duty paid, without reserve; the private price is 2*s.* 7½*d.*

Turmeric.—Fourteen bags of fair but sea-damaged Madras finger sold without reserve at 30*s.*

Wax, Bees'.—Quiet in auction, but firm privately, East African and Abyssinian selling at from 8*l.* to 8*l.* 2*s.* 6*d.* Eight bales fair yellow Spanish sold at 8*l.*, a barrel of Grenada went at 8*l.* 5*s.*, and a barrel of fair St. Lucia at 8*l.* For fair Jamaica 8*l.* 7*s.* 6*d.* was refused, 8*l.* 10*s.* being wanted; bleached Calcutta was limited at from 8*l.* 5*s.* to 8*l.* 10*s.*

Wax, Japanese.—A parcel of 50 cases of fair slabs was limited at 65*s.*

The German Drug-trade.

A trade report issued by a well-known Berlin firm of wholesale druggists endeavours to put a good face on the state of the drug-business in Germany. It admits that trade in pharmaceutical and technical drugs and chemicals is very limited, and only on behalf of the Army have large quantities been sold. Supplies of all kinds, however, are ample to meet home demands, and it notes with satisfaction that Germany is exporting large quantities of drugs and chemicals to allied and neutral countries, although for more than two years imports have practically ceased. The German military authorities are supplying civilians in occupied territories with medicines because "it would be prejudicial to the army if they were obliged to live among people suffering from disease and lacking medicines." As to exports, the authorities exercise the greatest care in seeing that large stocks exist before permission is given. The wet weather and scarcity of labour have led to poor herb-crops being gathered, and prices are very high. Imports of drugs from Russia, Italy, Spain, and Japan cannot be had, while Austria-Hungary has also prohibited exports of drugs and medicines, except in very small quantities. Features of the markets are as follows:

Acetic Acid is not to be had from makers, but it is expected that they will resume manufacture shortly.

Aloes (Cape).—The stocks are extremely small; other drugs have had to be used as substitutes.

Citric and Tartaric Acids are little inquired for. The cold weather and the scarcity of sugar account for the lack of demand.

Formaldehyde is only delivered to the Army, so that it is almost unobtainable in commerce.

Fruit-syrups can no longer be made with sugar, so that saccharin and substitutes have to be used.

Glycerin.—The substitute "Perkaglycerin" appears to do well, and is asked for in large quantities.

Glycerophosphates have advanced by about 25 per cent.

Lithium Salts have advanced by about m.10 per kilo., and a further advance is expected.

Menthol is 10 per cent. lower.

Mercury and Mercurials remain very high.

Milk-sugar has to be used with the greatest of economy, as the makers can only deliver small lots, and do not book contracts.

Opium, Codeine, and Morphine.—The stocks of opium in Germany are sufficiently large. The new crop has not yielded as much as expected, and suffers from the war in Anatolia and the Balkans. An advance in opium and opium-products is therefore expected.

Russian Drug and Chemical Markets.

The following notes refer to the Petrograd and Odessa markets under date up to September 1: *Ammonium carbonate* is quoted at r.40 per pood; *Ammonium chloride* powdered, at r.17; *Arsenic* is unobtainable in Odessa, and is from r.27 to r.34 per pood in Petrograd; *Borax* is quoted at r.55; *Copper sulphate* is unobtainable; *Ferrous sulphate* is r.4; *Hydrochloric acid* is r.14 to r.15; *Quicksilver* is r.450 per bottle, though it is obtainable from England at from r.300 to r.350. Auerbach is unable to entirely meet the demand for quicksilver, so that it remains scarce. *Saltpetre* is quoted at r.13 (r.20 on June 1); *Caustic soda* at from r.20 to r.21; *Calcined soda* at r.6 per pood; *Sodium nitrate* from r.11.50 to r.12; refined *Sulphur* r.13 per pood.

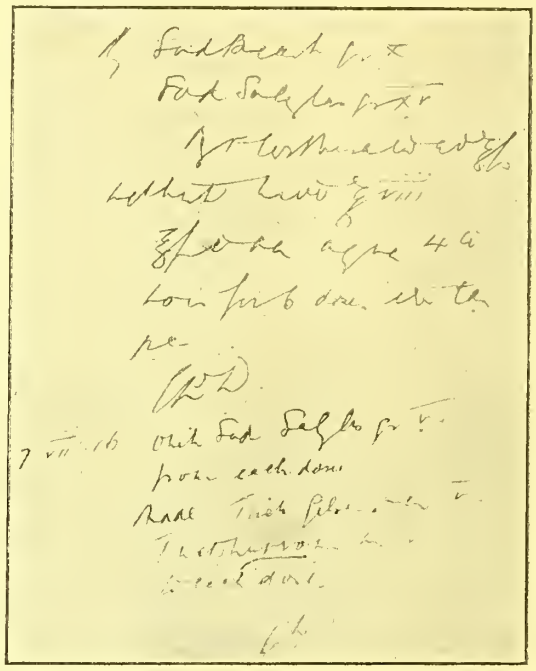
Organic Chemicals and Drugs have suddenly become considerably cheaper, large quantities being offered from America. Bromine salts, salicylates, antipyrin, and pyramidon have become much cheaper. Quotations vary considerably. *Acetic acid* is r.50 per pood; Russian *Ceresin* at r.70; *Citric acid* r.200 to r.210; *Colophony* at r.15 (from r.19 to r.20 on June 1); *Gum arabic* at from r.68 to r.70; *Tartaric acid* is r.40 per pood lower, and is to be had now from r.200 to r.210. American *Turpentine* is r.40, and Russian at from r.17.50 to r.21.50.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

What is the Third Item?

Sir,—The subjoined engraving is from a photograph of a prescription recently received by us, the third item of which somewhat puzzled us, but which we eventually solved. I submitted it to eight chemists in the town, men of experience in dispensing, and seven of them gave different opinions, there being only one who coincided with



what I considered was intended. I should be glad if you would submit it to your many readers and see the result. No complaint has been made by the patient, who had it previously dispensed by a chemist in the same town as that in which the doctor resides, who probably knew what was intended. Yours truly,

Brighton. G. B. Savage.

Sale of Formamint Tablets.

Sir,—With reference to your note as to Formamint labels in your Trade Notes of November 4, we rather fear that Messrs. Waide & Sons are in error in thinking that chemists will be allowed to use an exact facsimile of the original label. A very prominent trade-marks solicitor's views have been taken on this matter, and his considered opinion is that, although the sale of Wulfing's business to Lord Rhondda does not prevent anyone using the word Formamint, yet "the manufacturer, when putting the goods on the market, should make it clear to the public that the goods are not the original Sanatogen or Formamint previously manufactured by Wulfing." This is not only the legal view, but obviously it is the commonsense view also, since the option of using the original label if desired should pass to the purchaser of the business. There is one other point to which we would like to call attention, and that is the fact that the P.J.F. formula No. 7497 will not exempt the article from stamp-duty, since it is not a genuine disclosure of formula. The recipe gives "Formamint 10 grains," and it was because the Revenue authorities had pointed out to them the fact that there was no definite chemical body known as "Formamint" and that Formamint was a proprietary article, that Wulfing & Co. were compelled to abandon the practice of selling Formamint tablets unstamped. It therefore follows that even if the

labels make it clear that the tablets are not manufactured by Wulfing or their successors, difficulties with the Board of Customs and Excise will arise if P.J.F. No. 7497 is used. There is consequently a double reason why chemists should consider well the advisability of issuing the labels offered by this enterprising firm of printers, who have, apparently, acted with the best of intentions, but without due consideration as to the consequences probably resulting to chemists who use these labels.

Yours faithfully,
For the Standard Tablet & Pill Co., Ltd.,
Hove, November. H. W. K. Pears, Director.

Fairchild Scholarship and Prizes.

Sir,—Owing to the fact that male apprentices, who would probably be applicants for the Fairchild Scholarship and Prizes, have been called to the Colours, and the student to whom the 1916-17 scholarship was awarded has also, for a similar reason, been compelled to postpone his course of study until the war is over, the Trustees have considered the question which has in consequence arisen—namely, Is it desirable to hold the 1917 examination? It has been found that during the past six months inquiries in regard to the Scholarship and Prizes have not been so numerous as hitherto, and it is fair to assume that the war conditions are solely the cause of this. At all events, the Trustees have very carefully considered the whole matter, and they have independently, yet unanimously, come to the conclusion that the examination for the Scholarship and Prizes should not be held in 1917. It has also been decided that some arrangement should be made in order that those who are with the Colours, and who would be eligible for the 1917 scholarship, may, if they so desire, be admitted to an examination after the war. It is our wish that all who may be preparing for the scholarship will continue the work, and that others may do the same.—Yours very truly, A. E. Holden, Secretary.

Albert Chambers, 64-65 Holborn Viaduct, London, E.C.

Venereal Disease and Pharmacy.

Sir,—In your recent short article on "The Venereal Trend" you appear to labour under a misapprehension. The proposed Bill is not designed to take from chemists or druggists anything which legitimately pertains to their trade and profession—namely, the dispensing or selling of medicines prescribed by those who are qualified to prescribe. It is designed to prevent the treatment of disease and the prescription of medicine by those who are qualified neither to treat nor prescribe. It must be remembered that prescription and treatment become a public danger unless limited to those who are qualified to diagnose disease. An erroneous diagnosis will lead to erroneous prescription and general disaster. The whole question is one of qualification, and the responsible druggist or chemist (himself qualified to dispense or analyse) will feel no jealousy when medical practitioners seek to restrict to their own profession the prescribing and treatment for which their five to seven years' scientific and hospital training has qualified them. Druggists need to bear in mind that no one can diagnose or prescribe who has not the requisite physiological and medical training extending over many years, of which the seal and sanction is a medical diploma. The qualified dispenser, therefore, who steps out of his legitimate chemical sphere to encroach, however slightly, on the sphere of the medical practitioner becomes, *ipso facto*, a quack, by which term is meant someone who encroaches on a sphere in which he has no registrable qualification. This may seem a hard word; but it is written in no spirit of jealousy, for I am neither a medical practitioner nor a pharmacist—I am a certificated science teacher and secretary to a scientific institution, and my position of detachment gives me, perhaps, the right to interpose a friendly word in this controversy between two bodies of qualified workers, for both of whom I have a high regard. [The writer then goes on to express on both sides of the paper his views on quackery and professional qualifications. He concludes:] To stand for vested interests at the expense of the public health is a course which, I know, would never receive support from the pharmaceutical profession. Let us, by all means, stand for the great principle of qualification, and guard those rights which are specifically justified by the scope of training and examination. And let us, finally, support rather than criticise other professions when they seek to prevent even well-meaning encroachment on their sphere by those whose qualifications are of a different nature and for different purposes.—Yours faithfully,

R. Kidd.

Wellcome Historical Medical Museum,
54A Wigmore Street, W.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Food for Fowls.

Replying to the request of "Pall Mall" (99/43) in the *C. & D.*, November 4, p. 51, for information regarding a food for making hens lay and improving the plumage, several correspondents identify the description given as applying to the Karswood Poultry Spice, one of the specialities of Mr. E. Griffiths Hughes, Manchester.

Appreciations.

"Although 'parting (with coin) is such sweet sorrow' as a rule, it is no exaggeration to say that in paying for the excellent *C. & D.* it is a pleasure. It is such a good investment; plenty of return for one's money."—(240/38.)

"I should like to take this opportunity of extending to you my thanks for the excellent service your journal has been to me since I commenced to take it, and my wish is that I had come into contact with it sooner than I did." So writes a subscriber (78/28).

"I have enclosed cheque for *C. & D.* as usual, and it may interest your Advertising Department to know that through getting in touch with a new advertiser in *C. & D.* I have saved my rent, in difference of prices in one article I handle, in nine months." So writes *A Derbyshire Chemist* (241/2).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

R.A.M.C. (131/26).—You are entitled to apply for military exemption yourself, but if your employers do not support your application you are not likely to obtain exemption. You may take another situation if you can get it.

W. E. M. (130/27).—The Home Secretary's Earlier-closing Order does not change the Shops Act conditions as regards the sale of medicines and medical and surgical appliances as set forth in the *C. & D. Diary*, pp. 363-4. The Home Secretary has changed the phraseology to "the sale of medicines *or* medical *or* surgical appliances," and has altered the closing-hours, also requiring each shop to be shut and dark when no customers for these commodities are in it after closing-hours; but, as was pointed out in our issue of October 28, p. 46, there have been convictions under the Shops Act for selling medicines and toilet-articles during closing-hours, and these decisions cover all vendors, whether registered chemists or not. Sanitary towels, dusting-powder for babies, soothers, bottle-teats, and aërated waters are outside the exemptions definition, as also are meat extracts, and, unless it can be proved that any of these articles is required in a case of illness, it is illegal for anybody to sell them during closing-hours. This has been the law since March 29, 1912.

M. P. S. (105/8) owns a chemist's business in connection with which there is an optical branch under the management of his wife, who is a qualified optician. So far as liability to income-tax is concerned, would it be to his advantage to allow his wife to carry on the branch separately in her own name or for her to continue to manage it at a salary? [We are of opinion that in the circumstances it is immaterial how the branch is conducted, since the incomes of our subscriber and his wife must be treated as one for purposes of income-tax assessment, abatement, and allowances. If the joint income of a husband and wife does not exceed 500*l.*, and part of that income accrues from a business carried on by means of the wife's own personal labour, and the remaining income includes the profits of a business carried on by the husband and unconnected with the wife's business, then the income of the wife derived from her business may be regarded separately, and both husband and wife will be entitled to claim abatement or exemption. We think, however, that even if the joint income of our subscriber and his wife does not exceed 500*l.* the income-tax authorities would not regard the optical branch as being a separate business carried on by the wife.]

Miscellaneous Inquiries.

West-End (126/67).—Distinguishing Cane and Beet Sugar.—Well-refined specimens of sugar from beet and cane are indistinguishable by physical tests, although raw beet sugar is not difficult to detect from its unpleasant odour. The two sugars are distinguished by the chemical composition of their ash. Beet sugar only contains about 0.24 per cent. of phosphates, against 2.9 per cent. in the ash of cane sugar. This is due to the use of excess of lime in the early stage of the extraction of sugar from beet and subsequent precipitation by carbon dioxide. Sodium salts are also present in beet sugar to a much larger proportion than in cane sugar.

E. M. (124/73).—The formula for ordinary luminous paint was last given in the *C. & D.*, June 24, p. 52. For information regarding self-luminous paints see *C. & D.*, June 17, p. 45.

Oilcake (126/31).—Oilcake-manufacture is a big business—a side-line in oil-pressing factories. Leaflet No. 143, which you can get free from the Board of Agriculture, 4 Whitehall Place, London, S.W., gives the information you require on calf-meals. See also "Phar. Form."

V. E. H. (116/6).—Rheumatism-tablets.—These have not been successfully analysed, but it seems to be agreed that among the ingredients are potassium iodide and a salicylate.

B. M. & Co. (223/15).—Books on Soap-making.—The manufacture of medicinal soaps is incidentally dealt with in the following works: Lamborn's "Modern Soaps, etc." (Lockwood, 1906); and Deite's "Manual of Toilet-soap Making" (Maclaren, 1905).

N. H. (115/65).—Compass-liquid.—A mixture of equal parts of alcohol and distilled water is generally used in compasses of the liquid type, but we believe a mixture of glycerin and water is also employed to some extent. Owing to the great solvent-power of these liquids, it is necessary that special care be taken in the use of pigments for painting the parts of the compass exposed to the action of the liquid. The paint of japanner's gold-size and flake white must be well stoved after application. A solution of celluloid in acetone may be used in place of the gold-size.

Tolut. (119/35).—Liquid for Anatomical Specimens.—There are various formulæ in use for preserving anatomical specimens, most of which are stated to have no effect on the colours of the specimen. Galt's fluid, one of the best, is:

Common salt	5 oz.
Potassium nitrate,	
Chloral hydrate of each ...	1 oz.
Water	100 oz.

Mix.

S. M. (124/45).—Pine-inhalant.—See *C. & D.*, July 29, p. 824.

C. F. (118/64).—Printing-ink.—In its simplest form this consists of a mixture of burnt linseed oil and calcined lampblack, but the manufacture of good printing-ink is far from simple. Linseed oil is heated in a pot over a brisk fire in a similar way to that described for gum-running in "Pharmaceutical Formulas." The smoky vapour given off is fired and the oil allowed to burn until on testing occasionally it can be drawn into threads between the finger and thumb. The pot is so arranged with a lid that the flame can be extinguished at will. Assuming that 3 gals. of oil was taken, 12 lb. of rosin is at this stage gradually stirred in, and then 3½ lb. of brown soap in thin slices, finally again heating up the mixture. The varnish thus produced is next ground while warm with 10 oz. of Prussian blue or indigo, 8 lb. of mineral lampblack, and 7 lb. of vegetable-black. It is necessary that the lampblack employed be quite free from tarry matter.

D. McC. (123/69).—Peyton-Beale's "Aids to Physiology" (Baillière), 3*s.*) is a suitable book for the purpose you require.

P. W. (130/36).—Books for Minor Students.—See *C. & D.* Educational Number (August 19), p. 50.

W. G. (129/50).—Prescription Abbreviations.—These are given as an appendix in the "Art of Dispensing" (*C. & D.* Office, 6*s.*); and in Ince's "Latin Grammar of Pharmacy" (Churchill, 5*s.*) and Bennett's "Medical and Pharmaceutical Latin" (Churchill, 6*s.*).

F. G. R. (126/33).—Catarrh-jelly:

Bismuth oxycarbonate	15 grains
Thymol	10 grains
Menthol	10 grains
Wintergreen oil	8 minims
White paraffin	4 oz.

Mix.

Winnock (Cape Town) (98/61).—Terpin. hyd. is very liable to crystallise out of galenicals, especially if a minimum of spirit is used as the solvent, and if the temperature to which the preparation is exposed varies.

Willie (Trinidad) (106/52).—Knoll's Santyl was the subject of a British patent (17511/05), which was revoked in 1909. The word "Santyl" is, however, still on the register of trade-marks (No. 275,172). The section of the patent-specification which deals with the manufacture of santyl (salicylic-acid ester) is as follows:

> One kilo. of sandalwood oil or pure sandalol is heated with the same quantity of salol, with the addition of a little caustic soda at a temperature of 100°-200° C., if possible under reduced pressure until the separation of the phenol is effected. From the residue salicyl santalol is obtained [by distillation *in vacuo*].

The characters of salicyl santalol given in the specification are that it boils and is partly decomposed at a temperature of 250°-260° C., under a pressure of 20 mm. The specific gravity is 1.07.

E. J. L. (65/71).—Filling a Barometer-tube.—The mercury must first be purified by squeezing through chamois leather, and then boiled to expel moisture and air. The barometer-tube requires cleaning by means of nitric acid, water, and absolute alcohol, used in the order in which they are mentioned. The tube is then heated to expel residual moisture and laid on its side with the short limb uppermost. The hot mercury is then introduced, little by little, into the short limb of the tube through a glass funnel with an L-shaped tube. After a little mercury has been introduced it is boiled in the tube to dislodge air, a coke fire being generally employed, as the tube is easily broken if unequally heated. The tube is then filled up with mercury and again boiled. After cooling, the tube is raised to the vertical position, closed end uppermost. The mercury will sink to form the Torricellian vacuum, the excess of metal running out of the short limb.

H. B. (128/11).—In our issue of September 23, p. 44, we published a list of articles used as Substitutes for Glycerin. Calcium chloride is the best substitute for glycerin for preventing water freezing, and in "Pharmaceutical Formulas," p. 844, you will find tables of the amounts of alcohol, calcium chloride, or glycerin required to add to water—*e.g.*, a 16-per-cent. solution of calcium chloride does not freeze until the low temperature of 10° F. is reached.

I. O. R. (117/39).—Lund's Oil is a catheter-lubricant which has for many years been used in hospitals and is known as *Oleum Lubricans*. It consists of phenol 1 part, castor oil 4 parts, and almond oil 20 parts (Lock Hospital Pharmacopœia), but Squire gives almond oil to 20 parts. We know no solid form of this oil, but probably Kraus's Catheter-lubricant, "P.F.," p. 856, may be what you want, especially as the "British Pharmaceutical Codex" calls this Pasta Lubricans. A similar preparation occurs in the Edinburgh Infirmary and Liverpool Hospital Pharmacopœias.

Dispenser in France (125/27).—Dakin's Solution was designed to contain between 0.5 and 0.6 of sodium hypochlorite. Eusol is made by mixing 12.5 grams each of bleaching-powder and boric acid with a litre of water, and 0.54 per cent. of hypochlorous acid is contained in the product. Dakin's solution is a mixture of 14 grams of dried sodium carbonate, 40 grams of crystallised common salt, and 20 grams of chlorinated lime in a litre of water, so that the two solutions are approximately the same, and 0.5 per cent. of hypochlorous acid is about the strength.

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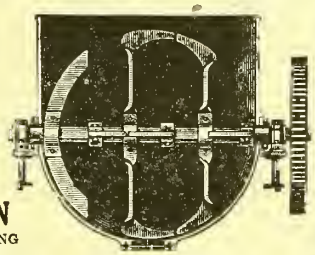

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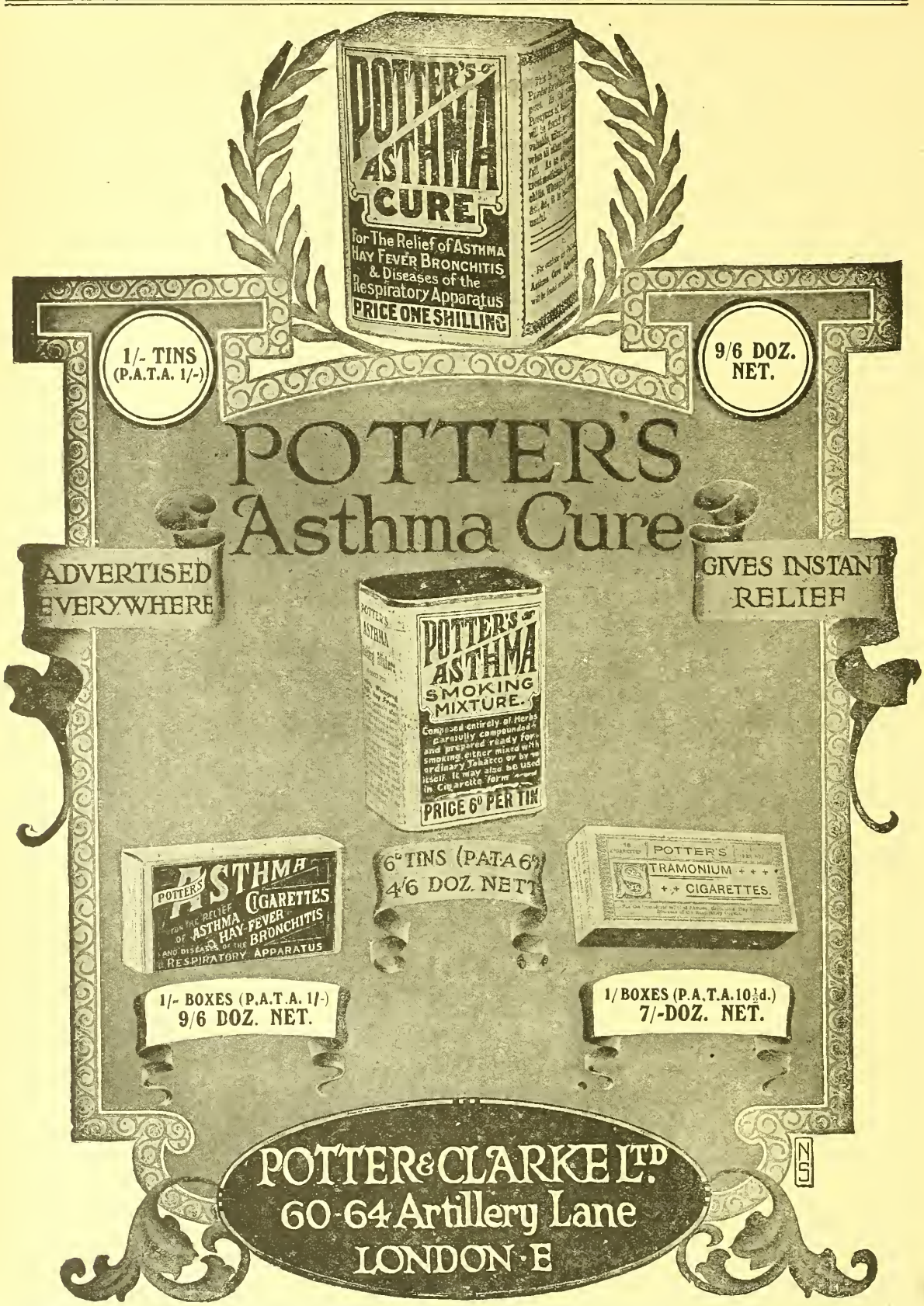
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„ Boric Pulv., 3 cwt. @ 61/9 cwt.; 1 cwt. @ 62/9 cwt.; levigd. 3/- cwt. or ½d. lb. extra.
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„ Gallic, pur., B.P., 7 lbs. @ 6/9 lb.; 1 lb. @ 7/- lb.
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„ Sulpb. Aromat. B.P., 5 lbs. @ 4/4 lb.
„ Tannic, B.P., 1 lb. @ 6/6 lb.
„ Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 2/9 lb.; parv. ½d. lb. extra.
Adeps Benz., B.P., 28 lbs. @ 1/1½ lb.; 7 lbs. @ 1/2½ lb.
Ærugo Æris Pulv.; 14 lbs. @ 1/5 lb.
Aloes Barb., English-ground, 28 lbs. @ 120/- cwt.; 7 lbs. @ 1/3 lb.
Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/6 lb.
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Ammon. Carb. lump, 3 cwt. @ 8d. lb.; 28 lbs. @ 9d. lb.; 7 lbs. @ 9½d. lb.; powder, ½d. lb. extra.
Ammon. Cblor., 99% pulv., 1 cwt. @ 59/- cwt.; 7 lbs. @ 7½d. lb.; Batteries, 6/- cwt. extra.
Amyli Pulv., 10 cwt. @ 22/- cwt.; 2½ cwt. @ 23/- cwt.; 1 cwt. @ 24/6 cwt.
Aniseed, Englisb ground, 1 cwt. @ 62/- cwt. 7 lbs. @ 7½d. lb.
Antim. Nig. Pulv., 7 lbs. @ 10d. lb.
Antim. Tart. Pulv., 7 lbs. @ 3/- lb.
Apiol, 1 lb. @ 27/6 lb.
*Aqua Anethi Conc. 1–40, 1 lb. @ 3/5 lb.
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Argent. Nit., 6's to oz., 25 oz. @ 2/4 oz.; 1 oz. @ 2/5 oz.
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Bismuth, P.B., Carb., 3 lbs. @ 13/6 lb.; 1 lb. @ 14/- lb.; subnit., 3 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.
„ Salicyl., 1 lb. @ 23/- lb.
Boracic Mixture, 1 cwt. @ 85/- cwt.
Borax, 1 cwt. @ 38/6; powder 1/- extra.
Butyl-Chloral Hydras., P.B., 1 lb. @ lb.

Caffeine, P.B., 1 lb. @ 40/- lb.
Caffeinæ Cit., B.P., 1 lb. @ 25/6 lb.
Calamina, powder, fine pink, 5 cwt. @ 25/- cwt.; 1 cwt. @ 28/- cwt.; 7 lbs. @ 4d. lb.
Calamine, B.P., 1885, 7 lbs. @ 1/3 lb.
Calcii Carb. Præcip., 5 cwt. @ 18/6 cwt.; 1 cwt. @ 23/- cwt.; 28 lbs. @ 27/6 cwt.
„ Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
„ Hypophospb. Pur., P.B., 1 lb. @ 4/- lb.
„ Iodid., 1 lb. @ 21/6 lb.
Campbor, Englisb Flowers, "not artificial," 5 lbs. @ 2/11 lb.; ½ oz. or ¼ oz. 7 lbs. @ 3/3 lb.; good wbite, about 95% as imported, 140 lbs. @ 1/10½ lb.; 28 lbs. @ 2/1 lb.
Capsicine, soluble, 1 lb. @ 9/6 lb.
Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 25/- cwt.; 28 lbs. @ 3½d. lb.
Cardamoms, 28 lbs. @ 3/3 lb.; 7 lbs. @ 3/6 lb.
Carmine, Finest, 1 lb. @ 35/- lb.; No. 2, 1 lb. @ lb.
Cera Alba, B.P., Wbite Moons, 28 lbs. @ 2/2 lb.; 4 lbs. @ 2/4 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9½ lb; 4 lbs. @ 1/10½ lb.; 1 oz., ½ oz. tabs., 7 lbs. @ 1/10½ lb.
Cerii Oxalas, 1 lb. @ 6/6 lb.
Cetaceum, No. 1, fine white, 64 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.; powder, 7 lbs. @ 1/6 lb.
Cbloral Hydras Cryst., B.P., 7 lbs. @ 12/3 lb.; 1 lb. @ 12/9 lb.
Cblorodyne, 5 lbs. @ 2/6 lb.
*Chloroform, pure, B.P., 12 8-lbs. @ 3/2 lb.; 8 lbs. @ 3/4 lb.; 6 1-lb. bots. @ 3/9 lb.
Cocaine Hydrochlor., 25 ozs. @ 20/-; 4 ozs. @ 21/-; 1 oz. @ 22/-.
Codeina, 1 oz. @ 23/6 oz.; Phospb., 1 oz. @ 19/6 oz.; Hydrochlor. or Sulpb., 1 oz. @ 20/6 oz.
Colocyntb, Apple, Englisb ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.
Composition Powder (Coffin's), 1 cwt. @ 62/- cwt.; 7 lbs. @ 8d. lb.
Conf. Sennæ, P.B., 14 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.
Cort. Aurant. Exot. Shreds, 7 lbs. @ 2/4 lb.
„ Cinchon. Rub. (Quill), 7 lbs. @ 1/7 lb.
„ Ulmi Fulvæ, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.
Cream of Tartar, 98% powder, 1 cwt. @ 192/6 cwt.; 7 lbs. @ 1/10 lb.

Creasote, Beecbwood, P.B., 7 lbs. @ 12/3 lb.
Creta c. Campb., 7 lbs. @ 10d. lb.
„ Gall. Pulv., in sacks, 10 cwt. @ 9/- cwt.; 1 cwt. @ 11/- cwt.; 14 lbs. @ 1½d. lb.
„ Præparata, 7 lbs. in box @ 1/3 each.
Cubebæ, English Ground, 28 lbs. @ 2/6 lb. 7 lbs. @ 2/8 lb.

*Dec. Alœs Co. Conc. 1–2, 6 lbs. @ 2/- lb.; Sinecroco, 6 lbs. @ 1/3 lb.
* „ Cincbonæ (Rubræ) Conc., 1–7, 6 lbs. @ 2/2 lb.
* „ Senegæ Conc., 6 lbs. @ 2/10 lb.

Emp. Spread, 12 yards × 16 ins. adhesive, 6/-; Bellad. B.P.C., Green @ 28/6; Cerat. Saponis @ 12/4; Picis Co @ 12/4; Plumbi @ 10/-; Resinæ @ 7/6; Roborans @ 11/6; Saponis, B.P., @ 10/-
Emp. Picis, P.B., 7 lbs. @ 1/1 lb.
„ Plumbi, P.B., 7 lbs. @ 1/1 lb.
„ Resinæ, P.B., 7 lbs. @ 1/1 lb.
„ Roborans, 7 lbs. @ 1/1 lb.
Emulsio Ol. Morrbuæ, 5 lbs. @ 1/6 lb.
Eserine Solpb., in 15-grain tubes, 8/3 each.
Ess. Bergam. (Oil), 12 lbs. @ 21/- lb.; 1 lb. @ 22/- lb.; not guaranteed absolutely pure.
Ess. Limonis (oil) original coppers, 12 lbs. @ 4/3 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.
*Ess. Moschi (not artificial), 5 lbs. @ 14/6 lb.; 1 lb. @ 15/- lb.
*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 3/9 lb.; Bergamot, 4/3 lb.
*Ess. Pineapple, 5 lbs. @ 4/- lb.
* „ Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
* „ Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 19/- lb.; 1 lb. @ 19/6 lb.; solid, 7 lbs. @ 11/6 lb.
Ext. Cannab. Iod., Alc., B.P., 1 lb. @ 63/- lb.
Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/8 lb.; 10 lbs. @ 1/10½ lb.
*Ext. Ergot. Liq. P.B., 5 lbs. @ 4/8 lb.; 1 lb. @ 5/2 lb.; Solid, P.B., 4 lbs. @ 25/- lb.; 1 lb. @ 26/6 lb.
Ext. Gent., P.B., solid, 1 cwt. @ 2/5 lb.; 7 lbs. @ 2/8 lb.
*Ext. Glycyrrb. Liq., B.P., 6 lbs. @ 2/8 lb.
*Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/11 lb.
Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.
*Ext. Ipecac. Liq., P.B., 5 lbs. @ 19/6 lb.; 1 lb. @ 20/- lb.
Ext. Malti c. Ol. Jecoris, 10 lbs. @ 11d. lb.
*Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.; solid, 5 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
Ext. Opii Solid, P.B., 1 lb. @ 72/- lb.
*Ext. Opii Liq., B.P., 5 lbs. @ 5/7 lb.; 1 lb. @ 6/2 lb.
Ext. Quassiæ, Solid, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.
Ext. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 3/- lb. 7 lbs. @ 3/2 lb.
Ferri Carb., 14 lbs. @ 6d. lb.
Ferri et Quininæ Cit., P.B., 100 ozs. @ 11½d. oz., 25 ozs. @ 1/- oz.
Ferri Sulpb., pure cryst., 1 cwt. @ ; 7 lbs. @ 3½d. lb.
Ferrum Redact., 80%, 7 lbs. @ 7/6 lb.; 1 lb. @ 7/10.
Flor. Antb. Exot., 7 lbs. @ 2 3 lb.
Fol. Buchu, oval, 7 lbs. @ 3/6 lb.
Fol. Sennæ Alex. parv., 28 lbs. @ 1/1 lb.

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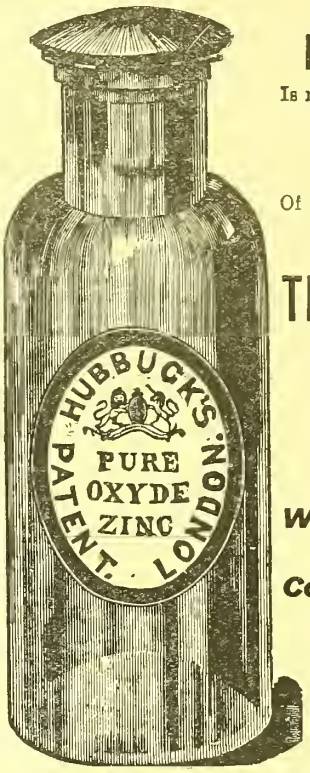

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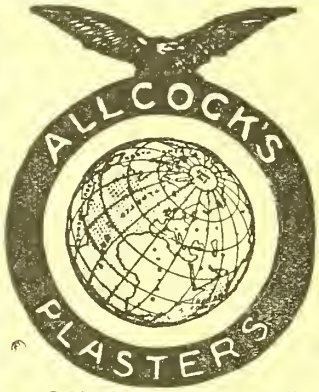

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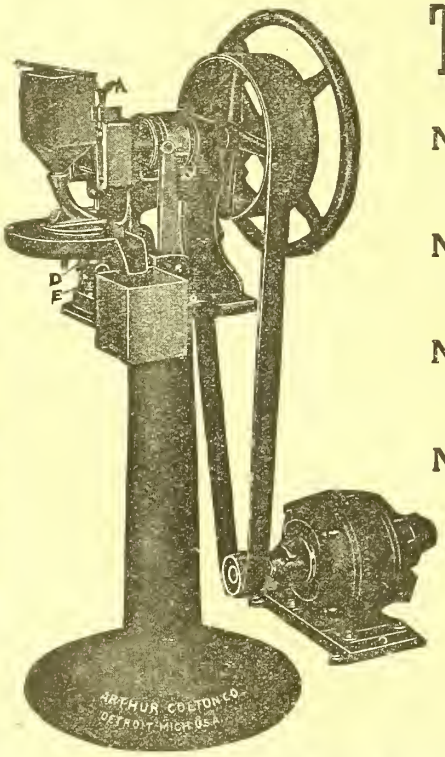

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Complete Pill Making Plants.
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Price 3/6
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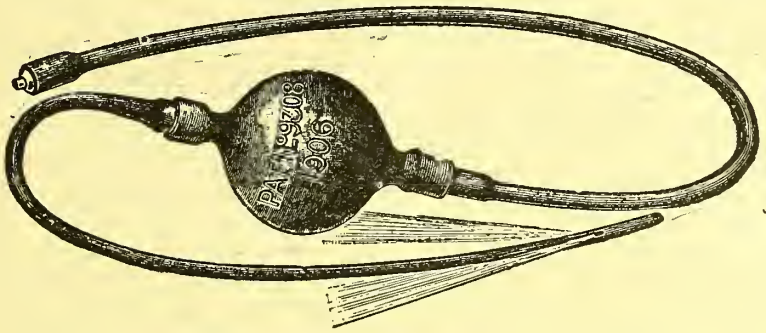

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Contains 20% more Cresol than any other similar preparation.

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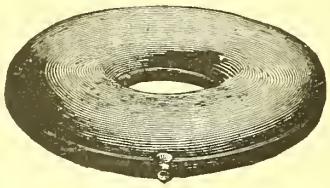

Fig. 1194.

BRITISH MAKE.

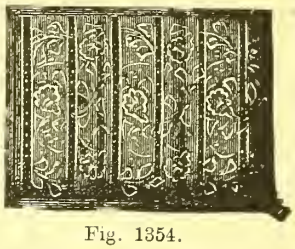

Fig. 1354.

Fig. 1194.—The "**EMPIRE,**" red India-rubber Air Cushion—

Diameter	14	15	16	17	18	19	20 in.
Each ...	6 6	7 0	8 0	8 6	10 0	11 6	12 6

Fig. 1354.—Air Cushion, sateen covered, reeded ... ... Sizes 14×10 | 15×12 | 18×14 in.
Each 4 3 | 4 9 | 6 0

Special Line.—Khaki-covered Pillow, 17×12 in., in khaki case with clasp ... ... each 4 9
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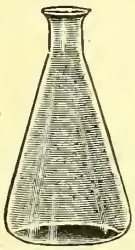

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BLUE LOTION BOTTLES.—½ oz., 1 oz., 1½ oz., 2 oz., 3 oz., 4 oz., 6 oz., 8 oz., 12 oz.
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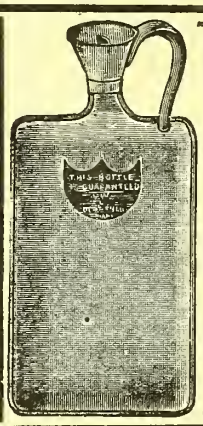
Established 100 Years.



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½ oz., 1 oz. and 2 oz. Sizes.
Stocks of NASAL DOUCHES.
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FRANCIS NEWBERY & SONS LTD

STEPS are not needed by the Pharmacist to reach his stocks of "LE BLANC" SERIES OF HAIR TONICS. It saves labour to display them on counter and well to hand on lower shelves, as they move so quickly.

BAY RHUM & CANTHARIDES.
BAY RHUM & BRILLIANTINE.
ROSEMARY & CANTHARIDINE HAIRWASH.

These are three especially fine lines to stock in two sizes. They allow a particularly wide margin of profit, the net price o each per dozen being only 4/- and 7/-.

In the same category is the "LE BLANC" BAY RHUM, 3/6 and 6/6 doz. net.

Made in our own Laboratories, we can confidently recommend these lines to the retailer.

Both quality of preparation and get-up are good.

The preparations are of a bright darkish amber colour; the perfumes delicate but decided; the bottles nice to handle; and the labelling attractively lithographed in well-blended colours, making good display packages.

These preparations are most beneficial in beautifying and promoting the growth of the hair, and are lines that fulfil the two great requirements of quality and quantity.

CHARTERHOUSE SQUARE, LONDON, E.C.

GLASS BOTTLES

Wholesale only

Vials — Test Tubes
Pomade Pots — Drop Bottles
Glass Tubes — Eau de Cologne
Bay Rhums — Perfume Bottles
Opal Pots — Panels, etc. etc.

MOST SIZES IN STOCK
ALL SIZES for QUICK DELIVERY

Write us your requirements—We can execute orders cheaply and promptly.

E. Duncan Doring & Co.
1 GRESHAM STREET, LONDON, E.C.
Telephone—City 6726.
Telegrams—"Doringlaso, Cent, London."

THE
RAT ARMY

Your customers will be able to deal very effectively with the rat army when you arm them with

"RODINE"

It wipes out swarms completely, in a night. It's the "big gun" that does things. It's the profit-paying rat poison for the Chemist.

Sole Maker:
HARLEY, Manufacturing Chemist,
PERTH, SCOTLAND.

EXPORT AGENTS:
TOZER, KEMSLEY & FISHER, LTD.,
84 Fenchurch Street, London, E.C.

MODERN PHARMACEUTICAL PRODUCTS

SACCHARIN

Highest possible strength 550 times sweeter than cane sugar.
500 Soluble. 450 Crystals. 330 & 300.
All strengths supplied duty paid or in bond for export.

TRIVALIN

The substitute for Morphia.

Specially recommended in Painful Dressings, Inoperable Cancer, Gall Stone, Sciatica, Neuralgia, Etc. In Ampuls for Hypodermic Injection, and in coated Tablets for internal administration.

NOVOCAIN

The non-irritant Local Anæsthetic, contains no Cocaine.

(Awarded Gold Medal XVIIth International Congress of Medicine, 1913.)

"CIBA" PREPARATIONS

Phytin	Digifolin	Dial	Elbon
Fortossan	Peristaltin	Lipoiodine	Menthescin
Ferrophytin	Euclottin	Vioform	Yohimbine

Prices and Literature on application.

The Saccharin Corporation, Ltd.,
PHARMACEUTICAL DEPT.,
36 & 37, QUEEN STREET, CHEAPSIDE, LONDON, E.C.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, NOVEMBER 18, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.' Everybody in the drug-trade knows that only *bona-fide* paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—SURREY.—Good-class Retail and Dispensing Business, well situate in close proximity to railway station; returns about £1,100, at good prices; well-appointed shop and premises; long lease; about £700 required.

2.—RICHMOND (Near).—For Disposal, through death, good-class Retail and Dispensing Business, with Optics; returns about £2,000; intending investors with about £1,000 at command will find this a sound investment, or if preferred, valuation terms would be entertained.

3.—HOME COUNTY.—Good-class Family and Dispensing Business, with Optical connection, in select residential district; returning about £2,500 per annum; very profitable terms, one year's net profit, plus valuation of stock and fixtures, or lump sum of £1,200.

4.—MIDDLESEX, N.W.—Established Business, Retail and Dispensing; returns £1,500; *net profit* between £400 and £450; practically no opposition; valuation terms.

5.—LONDON, N.W.—(Death Vacancy).—Good-class Business; no immediate opposition; returns £1,000 yearly; *net profit* £300; modern, well-fitted shop; price £750.

6.—LONDON, S.E.—Middle-class Retail and Dispensing Business; no N.H.I.; returns £900; *net profit* £247; comfortable residence; moderate rental; price £275 on entry and balance, £175, by instalments; full investigation courted.

7.—MAYFAIR.—Select Dispensing and Retail; vendor giving up business; returns about £1,200; *gross profit between* £650 *and* £700 (proof given); valuation terms entertained.

8.—BRISTOL CHANNEL.—Thoroughly sound Retail and Dispensing Business, in busy main thoroughfare; returns £1,300 yearly; excellent premises; vendor is desirous of taking up an appointment, and for a quick sale will accept the value of stock and fixtures.

9.—A PROFITABLE, OLD-ESTABLISHED COUNTRY BUSINESS, situate in centre of market town, Hants, giving a *net profit* of over £300; large shop, with comfortable residence; rent £55; price £450.

10.—WILTS.—Retail and Dispensing, with Wines and Spirits; established many years, and held by vendor about 28; returns last year £1,562; good-sized house, with garden attached; terms, goodwill £50, stock and fixtures by valuation.

11.—SUSSEX COAST.—Retail, Dispensing, and Photographic, all good middle-class business, corner position in main thoroughfare; returns about £1,050; *net profit* £350 to £400; well-fitted shop, and good stock; the business is well suited to one requiring a mild climate; price £750.

12.—WESTERN COUNTY.—Attractive and good position; established Business, Retail and Dispensing; returns nearly £1,400, increasing; very good residence; satisfactory reason for disposal.

13.—SOMERSET.—Established Business, Retail and Dispensing, situate in the main street; returns upwards of £1,700, at good prices; price, to include goodwill, lease, stock and fixtures, £1,000.

14.—YORKS (Large Town).—Old-established Business, Retail, Dispensing, Photographic, and Minerals; returns, including Branch, about £2,650; terms, valuation of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

PARSON C. BAKER

Pharmaceutical Chemist,

TRADE VALUER AND TRANSFER AGENT.

Recommended by British Drug Houses, Ltd.: Meggeson & Co.: Barclay & Son.
Tel. No.: FINCHLEY 612

Valuer to the Association of Manufacturing Chemists, Ltd.

VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND FULL REPORTS, Town or Country, on moderate terms.

No charge whatever to vendors or perchasers except by agreement.
Personal Attention. 40 years' Valuation Experience.

Immediate Sale. — Old-established good dispensing business Fashionable residential district. West end. Advantageous terms. New Lease.

CORRESPONDENCE INVITED.

1 MOUNTFIELD RD., CHURCH END, FINCHLEY, N.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."

BATTAM & HEYWOOD

(Estd. 1837.)

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.
Balance Sheets Prepared. Books Audited.
3 DAVIES STREET, BERKELEY SQUARE, W.
Telephone: Gerrard 2169.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 Central.

NO CHARGE TO PURCHASERS.

1.—SOUTH COAST (Fashionable Resort).—Good-class Dispensing and Retail Business, with Photographic, in principal main thoroughfare; turnover nearly £2,000; profits about a third; commanding corner Pharmacy, well fitted and stocked; good house attached; price, simply valuation of stock and fixtures, plus £100 goodwill, in all about £1,000.

2.—MIDDLESEX.—Good-class Chemist's and Optician's Business for Sale through death; returns over £1,850; good profits; attractive Pharmacy, in fine position and well stocked; good house; price about £1,000, or would sell separately; personally recommended.

3.—LONDON (Borders of City).—Very profitable Cash Retail, with N.H.I., for immediate Disposal, situated in densely populated working-class district; returns last three years average over £2,200, proof given; entirely under management; excellent profits; low rent, on lease; price £1,000, or near offer; strongly recommended.

4.—CLAPTON, N.—Good-class Light Suburban Retail Business; in same hands 16 years; returns £850; good profits; attractive Pharmacy and convenient house; stock and fixtures recently valued at over £300; will accept about £150 for quick sale; only requires seeing; personally recommended.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON, S.W.—Small Business recently opened; returns steadily increasing; good profits; scope for much more with N.H.I.; modern fittings; fresh, saleable stock; double-fronted, lock-up shop; main road; working-class neighbourhood; expenses low; satisfactory reason for disposal; price £150, or part cash if required, for quick sale. Apply, 272/15, Office of this Paper.

SOUTH WALES.—Advertiser will have for Disposal his genuine Cash Retail Business, situated in progressive Colliery district; returns about £1,200; good net profits; every investigation offered to bona-fide inquiries; reasonable terms might be arranged. 261/35, Office of this Paper.

WARWICKSHIRE.—Country Mixed Light Retail, at present returning about £800 a year; scope for improvement; owner unqualified; excellent prospects for N.H. Insurance; must sell at once owing to military service; good house and garden. Apply, "Military," c/o Southall Bros. & Barclay, Ltd., Birmingham.

YORKSHIRE.—Small business in working-class district, doing £600 per annum; could be greatly increased; price about £150, with stock reduced. Address 272/25, Office of this Paper.

AN opportunity offers to acquire for bare valuation of stock and fixtures a good Business taking £25 a week, with good profits, of which only about £1 is panel work; well situated in good middle-class London suburb; good house attached; present hands 10 years. Apply, 273/40, Office of this Paper.

DRUG Stores; flourishing good paying Business; splendid position, Southend; turnover £650 to £700, still increasing; profits 50 per cent.; Qualified or man with a little capital could easily double; price of stock and fittings only asked (£135); bargain, must be sold this week; owner called up. Gower's Drug Stores, Southchurch Road, Southend, Essex.

GENUINE, unopposed Country Retail; 70 miles North of London; returns exceed £800 for many years; net profit £200; good shop, nicely fitted and stocked; exceptionally good house, private entrance; bathroom, gardens; rent £25; accept £325 for immediate disposal. Apply, 265/370, Office of this Paper.

MARKET TOWN, Hampshire.—Owing to Difficulty in Obtaining Trustworthy Manager.—Handsomely-fitted, good-class Pharmacy for Sale; returns £1,500 under Management; large premises, suitable for big business; short hours; no Sunday duty; practically no N.H.I.; good house; about £1,000; valuation terms entertained; no Agents. 273/270, Office of this Paper.

£70, FIXTURES, fittings and small stock of old-established Business just closed; large, handsomely fitted shop, in good position; prosperous country town; 5,000 population; one other Chemist; plenty of scope for good turnover; splendid opening for Dentistry; house and garden attached; rent £35; accept £50 down; exceptional opportunity and great bargain. "Cambs" (265/37), Office of this Paper.

£500 per Annum Returns.—For immediate Disposal, Light Retail Business, with little private and N.H.I. Dispensing; no opposition; good living accommodation; would suit lady Pharmacist or elderly gentleman; price £180. 272/2, Office of this Paper.

£1,300 RETURNS Increasing.—Illness sole cause of sale, general Light Retail, with Wines and Spirits, in Midland town; profits good; large double-fronted shop, well fitted, good stock rooms adjoining; very convenient 10-roomed house; to sell quickly by Doctor's orders; will accept valuation of stock and fixtures, about £600; details proved by Books; investigation courted. Orders to view, Brett & Co., Chemists' Valuers, 73 Laurel Road, Leicester.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

EGYPTIAN Merchants with Offices in Cairo and other towns in Egypt are open to accept Representations for Patent Medicines, Drugs, Fancy Soaps, Toilet Specialities, etc.; best connection amongst the leading Druggists and Chemists all over Egypt; offers from young and progressive firms would be entertained. Apply, 259/25, Office of this Paper.

AGENT wanted for the Sale of "The Vytaliser," the latest invention for Self-Massage, connection with Drug Stores. Write, Vytaliser Mfg. Co., Trevelyan Buildings, Corporation Street, Manchester.

FIRM having Travellers calling on all Surgical Instrument Manufacturers, Wholesale Druggists, Sundriesmen, with a Line of Surgical Glass, is open to carry one or two additional suitable Lines. Write, full particulars, 259/250, Office of this Paper.

FRENCH and English Chemists, doing a good Wholesale and Retail business in Chile, S.A., are open to take up exclusive Agencies; keep your trade out of German hands; references, Evans Sons Lescher & Webb, Ltd. Address, Mahuzier Successors, P.O. Box 265, Concepcion, Chile, S.A.

MESSRS. JAS. V. TOZER & CO., Manufacturers, Importers, and Druggists' Sundriesmen, Southend, Essex (with London Offices), are desirous of getting into direct touch with actual Makers of Vulcanite, Rubber, Glass, Metal Goods, and kindred Lines of interest to their Wholesale and Export trade with Chemists, Druggists, and Hospitals; Sole Agencies Foreign or Colonial invited.

WELL-ESTABLISHED Bombay firm, with good connection among Dealers in Drugs, Patent Medicines, etc., desires to take up the sale of the Goods of British Manufacturers in India; open to keep stocks and distribute. Address, Bilimoria & Co., 121 Dhobitalao, Bombay, India.

FOR SALE.

LYCOPODIUM.—60 lb. for Disposal. Offers to 131/49, Office of this Paper.

STRONG, once-used, Wood Packing Cases, 21½" × 14" × 11"; also wanted to purchase, Ointment Mill. Price and full particulars to F. E. Johnson & Co., School Street Laboratories, Hull.

TWO small National Cash Registers, in first-class condition, for Sale cheap; only used short time. Write, F. Cook, 62b Mulkurn Road, Upper Holloway, N.

TWO Roberts' Filling Machines, also one Corcoran's Emery Disc Grinding Mill; particulars and details forwarded. Apply, 133/45, Office of this Paper.

BUSINESSES WANTED.

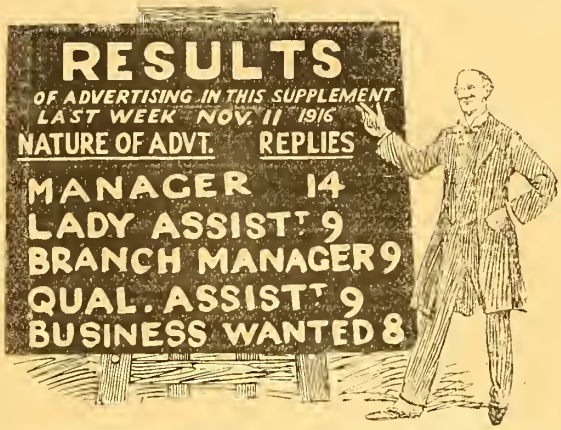
WANTED, good-class Family and Dispensing Business; country market town preferred, or Management, with option to purchase. Particulars, in confidence, to 271/20, Office of this Paper.

WANTED, Light Retail Chemist's Business, capable of improvement; South of England or Sussex preferred; comfortable living accommodation for small family; partnership entertained; cash ready. Please state particulars of house, garden, rent, and terms of tenancy, "Locum," c/o Mr. Higgs, Chemist, Kingston-on-Thames.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

ALDERSHOT.—Unqualified Assistant accustomed to brisk trade; unfit for military service. State particulars, with salary required (outdoors), to Orange, Chemist, Aldershot.

BRISTOL DISPENSARY.

WANTED, ASSISTANT DISPENSER (Male or Female). Must be fully qualified (Minor Pharmaceutical). Salary £140 per annum. Applications, together with testimonials, to be sent on or before December 2nd to H. MERRETT STOCK, Small Street Court, Bristol, Secretary.

BURSLEM.—Assistant, either sex (if male, ineligible for military service), for Country Wholesale and Retail; outdoors; single; short hours; must be a good Salesman. State age, height, and experience, with references and salary required, Thos. Leicester, Chemist, Burslem.

HAMPSHIRE.—Lady or gentleman Assistant, any age, for good-class Dispensing business in beautiful Hampshire village, near military camp, where a good business is done; hours are short; modern shop, pleasant to work in; healthy Hampshire pine district. Particulars to Keeble, Chemist, Liss, Hants.

HANTS.—Manager; qualified; Market town; smart business-builder; knowledge of Farmers' requirements; Prescribing, Photography, some Optics and Dentistry useful, not essential; short hours, no Sunday duty. Full particulars as to age, experience, if married what family, salary required (on or off premises), when disengaged, references, photo. 273/27, Office of this Paper.

HEREFORD.—Wanted in December, qualified Optician, experienced Refractionist for Optical Department. Chave & Jackson, Chemists and Opticians, Hereford.

LEEDS.—Wanted a qualified Manager for Light Retail and Dispensing; must be exempt. Full particulars in the first instance as to wages and references, "Salol" (273/3), Office of this Paper.

LICHFIELD.—Assistant for Dispensing and to help at Counter; lady preferred. State wages required (outdoors), and references, C. H. Averill, Chemist, Lichfield.

LIVERPOOL.—Assistant, unqualified (male or female), for good-class quick Retail and Dispensing business; outdoors; weekly half-holiday. Particulars to S. S. Holford, 86 Allerton Road, Liverpool.

LIVERPOOL.—Wanted at once, unqualified Assistant; ineligible for the Army; good Dispenser and Countermau; must be active. Apply, stating age, references, and salary required, to Lloyd, Chemist, Garston.

LONDON (City).—Wanted, experienced, unqualified Junior, short hours, or part-time Assistant (male), or smart youth, with knowledge of Chemist's business, accustomed to putting up stock and assisting at Counter. Apply, 3 Queen Street, Cheapside, E.C.

LONDON, N.W.—Full or part-time Assistant required in good-class Retail and Dispensing business; ineligible for Army. State full particulars, "Menthol" (272/22), Office of this Paper.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State experience and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, S.W.—Assistants required for front Counter (male or female) of good appearance; hours of work approximately 8.45 to 6 o'clock. Write, stating full particulars of previous experience, to "L. J. 1119," Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Wanted in large West-End House, Dispenser; hours of work approximately 8.45 to 6.30. Write, stating full particulars of experience and salary required, to "L. J. 1120," Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Wanted, man accustomed to Patents and Sundries, to put up Orders received from customers through the post. Write, stating full particulars of past experience and salary required, to "L. J. 1121," Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Required, Counter Assistant (male or female). Write, stating full particulars of past experience, to "L. J. 1151," Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Junior Assistant, lady or gentleman, accustomed to good-class business; gentleman ineligible and indoors. Apply, stating salary and usual particulars, to J. Seeley, 202 Earls Court Road, South Kensington.

LONDON, W.—Capable, unqualified Assistant wanted, gentleman or lady, accustomed to good-class Dispensing business; outdoors. Full particulars, J. A. Brown, Sucer. to S. J. Weston, 151 Westbourne Terrace, Hyde Park, W.

LONDON, W.—Wanted, unqualified Assistant, ineligible for military service, for quick Retail and Dispensing. Milners, Cash Chemists, 96 Askew Road, London, W.

LONDON, W.—Wanted immediately, a capable Assistant; one with previous West-End experience preferred. Apply personally or by letter, J. Munro & Co., 273 Regent Street.

MANCHESTER.—Wanted, qualified Assistant; over military age or ineligible for Army; please give full particulars, stating age, experience, and salary required. Apply, 1/2, Office of this Paper.

MANCHESTER.—Mottershead & Co. have a vacancy for an Assistant, accustomed to good-class business; no Sunday duty or Insurance work. State age, experience, and salary expected, 7 Exchange Street, Manchester.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, photo, and salary required, 271/21, Office of this Paper.

NEWCASTLE-ON-TYNE (The Royal Victoria Infirmary).—Wanted at once, qualified lady Dispenser, mainly for Office work; must be good at figures. Apply to the "Pharmacist" (133/49), Office of this Paper.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

NORTH OF ENGLAND.—Unqualified Assistant wanted immediately; Junior or Senior; ineligible for Army. State age, references, and salary, 273/7, Office of this Paper.

PLUMSTEAD, S.E.—Qualified and unqualified Assistant (outdoors) for Dispensing and Photographic business; state terms. Apply to A. Goldthorpe, M.P.S., 70 Herbert Road, Plumstead, S.E.

ROSS-ON-WYE.—Gentlemanly Assistant, principally for Dispensing. Hart, Ph.C., Ross.

ROTHERHAM.—Wanted, a qualified Assistant for Mixed business; ineligible. Reference and salary required, Davy, Bridgegate, Rotherham.

SOUTH OF ENGLAND.—Assistant required; free removal; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Qualified Manager (indoors) wanted, high-class business; good salary to capable man. Apply, J. T. Davies (Chemists), Ltd., 13 Walter Road, Swansea.

SOUTH WALES.—Qualified Manager, ineligible or over military age, for progressive business; permanency; good agreement, with interest in profits. "Wales" (273/4), Office of this Paper.

TORQUAY.—Wanted immediately, experienced Assistant for good-class Dispensing and Retail business. Apply, W. B. Douglas, 1 Victoria Parade, Torquay.

WREXHAM.—Qualified Manager (under principal) in brisk business, with three branches; one able to control apprentices, etc., and well up in the general routine of a good Country business; abstainer; permanency; excellent berth. L. Rowland & Co., Chemists, Wrexham.

YORKSHIRE.—Young lady who has had experience at the Counter, and some Dispensing, required for a quick Cash business in colliery district; comfortable and permanent berth. "Yorks" (273/403), Office of this Paper.

ASSISTANT at once for high-class Pharmacy; good experience and address necessary; qualification not essential. Apply, "Manager," 7 Belgrave Mansions, S.W.

ASSISTANT or Improver, lady or gentleman, for Dispensing, Counter, etc. Please state experience, references, and salary, Hopkins, Chemist, Bilston, Staffs.

ASSISTANT Dispenser, female, with Minor qualification, City; salary to commence £120; hours 8.30 till 7 p.m., Saturdays 1 p.m.; no Sunday or Bank Holiday duties. Apply, stating age, etc., to "S." (2/6), Office of this Paper.

ASSISTANT Dispenser, female, with Hall qualification, City; salary £80; good opportunity to gain experience first-class Dispensing; hours 8.30 till 7 p.m., Saturdays 1 p.m.; no Sunday or Bank Holiday duties. Apply, stating age, etc., to "S." (2/7), Office of this Paper.

BY Order of the Tribunal.—Wanted, to replace Manager of Dental and Assistant to Insurance Dispensing Departments, a girl willing to put in same hours (78 per week). Apply, "Tribunal" (132/34), Office of this Paper.

JOHN BELL & CROYDEN require a qualified Assistant (outdoors), non-eligible for Army; good pay; reasonable hours. 50 Wigmore Street, W.

LADY Pharmacist required to Manage small branch, small N.H.I.; hours 8-6, Thursday 12, Friday and Saturday 8 p.m. Apply, with full particulars, to the Secretary, Doncaster Mutual Co-operative and Industrial Society, Ltd., 1 John Street, Doncaster.

LADY Assistant wanted with Minor qualification; hours 8.45 to 6.30, Saturdays close at 1 o'clock; no Sunday duty. Apply, Staff Superintendent, C.S.S.A., 136 Queen Victoria Street, E.C.

MAN wanted to assist in taking Branch Stocks; must be ineligible or above military age; permanency; would suit well a man who has had good all-round Retail experience. "Stock" (273/402), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

MESSRS. TUPHOLME & SON, 1 Coleherne Terrace, Earl's Court, London, S.W., require an Assistant, either whole or part time; good-class Dispensing Retail business. Apply, with usual particulars, to Mr. Haynes as above.

PROFESSIONAL.—Wanted, the services of a Technological Chemist, with the highest qualifications, for the position of principal Chemist in charge of a Central Chemical Department, to be organised, staffed, and equipped for research in connection with Agriculture, Foodstuffs, and Industrial Chemical Manufactures; must be able not only to undertake researches capable of being utilised on a commercial scale, but also to undertake and supervise the analysis and testing of foodstuffs, chemical, and other articles of commerce; the position will be both consultative and executive, and applications, which will be treated in strictest confidence, must be sent in not later than December 4, stating age, salary required, and details of experience, addressed to 133/11, Office of this Paper.

MR. J. WEARING, The Central Pharmacy, Woking, requires a lady or gentleman Assistant; every consideration given to suitable applicant; no Sunday or holiday duties; easy hours; outdoors. State usual particulars.

QUALIFIED or unqualified Assistant wanted, ineligible, or qualified lady Assistant entertained, outdoors, for a good-class Dispensing business. Apply, Quibell, The Station Pharmacy, Golders Green, N.W.

QUALIFIED Assistant wanted, ineligible for Army, for country business in Midlands; Light Retail and N.H.I.; short hours; no Sunday or Thursday duty; Extractor preferred, but not essential; permanency to right man. "Rhei" (272/36), Office of this Paper.

QUALIFIED Assistant required, ineligible, to Manage Retail Shop. Apply, stating age, salary required, recent references, and when disengaged, W. A. Wharram, Ltd., 115 Vicar Lane, Leeds.

QUALIFIED Manager, married or single, lady or gentleman, resident or non-resident, for high-class suburban business, at once. Apply, Chemist-Optician, 76 High Street, Wimbledon.

QUALIFIED or unqualified wanted at once; one used to quick Store trade, also capable of taking charge; good wages to right man. Apply, 134/15, Office of this Paper.

THOMPSON & CAPPER have a vacancy for a thoroughly good Assistant; qualified or unqualified. Apply in the first instance to Manesty Buildings, College Lane, Liverpool.

UNQUALIFIED Assistant; ineligible or above military age; must have had good Photographic experience; progressive berth; Midland city; permanency. "Photo" (273/400), Office of this Paper.

WANTED at once, lady Assistant with a little Dispensing experience, for business in small country town, to keep the Books, put up Stock, and assist at Counter when needed. Apply, with full particulars, to "Salop" (271/39), Office of this Paper.

WANTED, qualified Manager for North London Cash business and N.I. work; abstainer preferred. Give full particulars of experience, references, photo (if convenient), salary required, to H. Walker, 11 Monastery Street, Canterbury.

WANTED, young lady for Chemist and Fancy Goods Department; Counter experience necessary; qualified Dispenser preferred. Application, by letter, endorsed "Chemist," stating age, salary required, and references as to character and ability, on or before Friday, Nov. 23rd, to Co-operative Society, Heckmondwike.

WANTED at once, Locum, gentleman; qualified or unqualified; capable of taking entire charge. Apply, with thoroughly good references and salary required, Goodall's Stores, Hinckley Road, Leicester.

WANTED, unqualified Assistant for Light Retail and N.H.I. Dispensing, or arrangements can be made for evening duty only. Full particulars, in first letter, to Davies, 344 Caledonian Road, N.

WANTED, competent Assistant for high-class business; qualified or unqualified. Reply, giving usual particulars, to Heppells, Pharmacists and Foreign Chemists, Knightsbridge, S.W.

WANTED immediately, a qualified lady Pharmacist for Dispensing in a good-class Pharmacy, no N.H.I. work, no Retail unless desired, or two lady Dispensers holding Hall qualification; outdoors. Apply, stating salary required and full particulars, to A. Lloyd Davies, Chemist, Woking.

WANTED, lady Assistant, accustomed to high-class Retail and Dispensing business; unqualified. Apply, with references and photo, to Dickinson, Chemist, Stamford.

WANTED (Midland town), Assistant, qualified or unqualified, for good-class business; sleep on premises. Give particulars in application to 1/39, Office of this Paper.

WANTED for duration of war, ineligible, fully qualified Pharmaceutical Chemist, to take full charge of important Proprietary Medicine business; must have expert knowledge and experience of Advertising in all its branches, and have full knowledge of Export trade and Foreign Patents. Write, stating experience and salary required, to 273/18, Office of this Paper.

YOUNG lady Dispenser, experienced, Chemist's establishment, situate in good residential suburb of Birmingham; very comfortable permanency; progressive salary. "Green" (273/401), Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LEEDS.—Wanted, Assistants for Wet Room and Dry Room; Packers; and Bottle Washers; good wages. Apply, Goodall, Backhouse & Co., Leeds.

LONDON HOUSE requires ASSISTANTS in Dispatch Departments, Wet Room and Dry Room; good wages. Apply, giving full particulars, 120/100, Office of this Paper.

A SMART, intelligent youth for Instrument Room; some knowledge essential. Apply, stating experience, and salary required, to R. Sumner & Co., Ltd., Wholesale Druggists, 40 Hanover Street, Liverpool.

ASSISTANT wanted, Country Wholesale. Particulars, G. L. Greenwood & Co., Ltd., Wholesale Druggists, Keighley, Yorkshire.

ASSISTANT wanted, ineligible, for Wholesale, supervision and Despatch of Orders; hours 8 a.m. to 6 p.m., Saturdays 8 a.m. to 1 p.m. State age, present and past situations, salary required, and references, Reade Brothers & Co., Ltd., Wolverhampton.

ASSISTANT FOREMAN required for Counter Specialities and Packed Goods Department in large London house; ineligible; good wages. Apply, giving full particulars, 120/10, Office of this Paper.

DRUGGISTS' Sundries.—Man required in London Wholesale House, with some experience of Sundries and Instruments, for putting up Orders. Apply, by letter, to 2/5), Office of this Paper.

HIGH-CLASS Toilet Goods House requires practical man able to make up and introduce new lines of Toilet Goods and Perfumery. Send full particulars as to experience, salary required, etc., to 129/48, Office of this Paper.

INVOICE Clerk, Senior, Required; free from military service; good opportunity for smart man. State salary required and full particulars, in confidence, to "Principal" (134/11), Office of this Paper.

JUNIOR Invoice Clerk, male or female, required in City Wholesale Druggists. Apply, by letter, giving full particulars and salary required, to 134/110, Office of this Paper.

LABORATORY Assistant (ineligible) wanted for large Bacteriological Laboratory in London; commencing salary £3. State age and experience, "L. A." (134/16), Office of this Paper.

REQUIRED for Chemical Department of Wholesale London House, unqualified Assistant; ineligible; good opportunity. Write, stating experience and salary required, 244/28, Office of this Paper.

REQUIRED, competent Traveller to Represent Surgical Sundries House in London district; ineligible. Apply, stating full particulars, to 2/4, Office of this Paper.

SALESMAN wanted (ineligible for Army), experienced in Fancy Brush trade, Wholesale. State age, salary required, and references to 272/14, Office of this Paper.

TRAVELLERS wanted calling on Chemists, etc., to take a Proprietary Perfume on commission. Write, giving fullest particulars, who Travelling for, district, commission expected, etc., to "A.B.C.," c/o Willings, 33 Knightsbridge.

URGENTLY Wanted.—Real Selling Salesmen for the smart and well-known 1*d*. Ni-Verre Hair Shampoo; unique offer; only those who can sell in Wholesale quantities need apply; ground open, England, Scotland, and Wales. Give and get full particulars now, Ni-Verre Chemical Company, 5 to 7 Ormeau Avenue, Belfast.

WANTED, a man, ineligible, with first-class Office experience, and used to Invoicing. Apply, stating experience and salary required, to R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

SHANGHAI.—Vacancy occurs in high-class British house for qualified Assistant; liberal salary and conditions; passage paid out and home. Full particulars as to experience, qualifications, etc., to 127/73, Office of this Paper.

STRAITS SETTLEMENTS.—Qualified Assistant; exempt from military service; young; unmarried, and capable of Managing Branch Dispensary; 4 years' agreement; passage paid out and home; salary first two years dollars 250 per month, third year dollars 275 per month, fourth year dollars 300 (Straits dollar 2*s*. 4*d*.); splendid opportunity for an energetic man; a knowledge of Optical and Photographic work desirable. Apply, W. C. H. Burgoyne Burbidges & Co., Ltd., East Ham, E.

TO Men or Lady Assistants, Qualified.—Straits Settlements; liberal salary; healthy and beautiful country; passage paid out and home; three years' agreement. Further particulars of Dakin Brothers, Ltd., 82 Middlesex Street, Bishopsgate, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

ADVERTISING Manager can undertake few hours' work daily for another non-competing firm; will take charge; save you all worry; expert; ineligible; distance no obstacle; good references. Apply, 271/9, Office of this Paper.

ALDERSHOT or Neighbourhood.—Lady Student, partly through Hall Examination, seeks post. Apply, Miss S., 55 Clyde Road, Croydon.

ALL-ROUND experience; steady and reliable; Photography, Dentistry; 60*s*. Dene, 25 Gwenfon Road, Kensington, Liverpool.

AS Manager; qualified; over military age; disengaged. "Aloes" (2/3), Office of this Paper.

ASSISTANT; qualified; 39; married; exempt; disengaged. Stewart, 3 Elborough Street, Southfields, S.W.

ASSISTANT; unqualified; 30 years' all-round experience; disengaged 25th inst.; London preferred. "Radix," 72 Tremadoc Road, Clapham, S.W.

ASSISTANT; 44; ready. E. B. Gibbs, 30 Station Road, Wootton Bassett, Wilts.

ASSISTANT, etc.; age 57; 40 years' Retail experience, some Wholesale, Optics, Dental; Manchester or near; abstainer disengaged. Apply, 133/23, Office of this Paper.

COMPETENT Dispenser; 'cute Salesman, good Bookkeeper. Dexter, 54 Romilly Road, Finsbury Park, N.

DISPENSER wants situation; 25 years' experience; would assist with Insurance Dispensing or Doctor or Hospital in Manchester; over military age. Apply, 271/25, Office of this Paper.

DISPENSER, lady (Hall), with Hospital experience, desires post with Hospital or Doctor. Apply, 271/18, Office of this Paper.

DISPENSER wants situation with Chemist or Doctor, evenings; local. 39 Westdale Road, Wavertree, Liverpool.

DISPENSER, woman, qualified, wants post; experienced, care of Instruments, Dressings, Books, etc. Address "F. W.," 116 High Street, Brentford.

DISPENSER to Surgeons; London only; good experience. Whitehead, 114 Charlotte Street, Sittingbourne.

DISPENSER, unqualified, ineligible, desires berth; Doctor or Institution preferred; near London; disengaged Dec. 4th; good references. Particulars to "Gelsem" (272/40), Office of this Paper.

DISPENSER; experienced; ineligible; married; Apothecaries' Hall; Chemist, Doctor, or Institution; undeniable references. 1/32, Office of this Paper.

DOCTOR'S daughter, trained Dispenser (part Hall certificate), desires post, either Hospital, with Doctor, or Shop; London preferred. Apply, 271/26, Office of this Paper.

ELDERLY, qualified, as Manager or Locum. 268/18, Office of this Paper.

FREE from Military Service.—Qualified Manager, Dispenser or Counter; permanency or Locum; outdoors; London, City preferred; experienced. State salary, hours, etc., 270/9, Office of this Paper.

LADY Dispenser (Hall), experience, reference, requires part-time or evening work; Brighton or district preferred, but not essential. "W. X." (269/22), Office of this Paper.

LADY (Hall, part qualified), some experience, seeks post, part-time, with Doctor, Institution or Analytical Chemist; perfect French. Bailey, 53 Leinster Square.

LADY Dispenser (A.H. Cert.) desires post with Doctor; drive car if required. Henley, The Grove, Pontardulais, South Wales.

LADY Dispenser (Hall) requires post, London or suburbs, with Doctor, Institute or Hospital. Apply, M. A. Moore-Lane, 7 Burlington Road, Bayswater, W.

LADY Dispenser (Hall) requires first post; Dispensing only; Gloucester or district; some general Hospital training. Miss Kemp, 6 Camden Place, Preston, Lancs.

LADY Dispenser (Hall, part qualified) desires post with Chemist or Institution in London or suburbs. "I. S.," 32 Westbourne Terrace, W.

LADY Dispenser (Hall), experienced, desires post. Miss Townley, "Fairfield," Victoria Park, Manchester.

LADY (A.H. Cert.) desires post as Dispenser either to a Doctor, Hospital or Chemist. Apply, Mrs. Kirkland, "Sandown," South Park, Reigate.

LADY Dispenser (Hall) desires post in a Hospital or Dispensary; references; London. "S.," 90 Lower Road, Rotherhithe.

LADY Dispenser-Secretary (34) requires post in London (N. districts preferred), with Doctor; disengaged December; thoroughly experienced in general, N.H.I., and Club work; can take entire charge if occasion arises; highly recommended. Address, 273/24, Office of this Paper.

LADY Dispenser (Apothecaries' Hall) desires post in Hospital; some experience. Ruddock, Derwent House, Lincoln.

LADY Dispenser, qualified, 15 years' experience, 4 years present post, excellent testimonials, desires change; salary 38*s*. Address 272/39, Office of this Paper.

LADY with Hall qualification seeks engagement in or near London, as Dispenser in Hospital, Institution, or with West-End firm. 272/29, Office of this Paper.

LADY Dispenser (Hall certificate), Civil and Military Hospital experience, desires post. 272/17, Office of this Paper.

LADY Dispenser (Hall) requires post; middle-aged; reliable; country, near London preferred; no Counter work. Address "A.B.C." (273/34), Office of this Paper.

LADY Dispenser (Hall certificate) desires post in London, either Hospital, with Doctor or Shop; Hospital experience. Apply, "M. C.," 13 Gauden Road, Clapham, S.W.

LOCUM; disengaged; country; qualified; 50; first-class experience and good references; reliable, energetic; Photography, Optics. T. H. Dewey, Fern Villa, 3 Helena Avenue, Margate.

LOCUM or temporary Management by experienced Pharmacist; Optical experience, etc.; good references; in or near London preferred. 272/9, Office of this Paper.

LOCUM or temporary Management; 47; qualified; experienced, London and provinces. "Laxolin" (273/38), Office of this Paper.

LOCUM-TENENS or permanent; ineligible; Assistant or Manager. 273/2, Office of this Paper.

LONDON Manager or Locum; 45; qualified; disengaged. "Chemist," 108b Elgin Avenue, W.

MANAGER, Locum, Major; 47; experienced Dispenser, Prescriber; disengaged; good references; outdoors. "T.," 51 Mimosa Road, Fulham Road, Fulham, S.W.

MANAGER or position of trust; unqualified; energetic Counterman, Window-dresser and Prescriber; Locum entertained; London preferred. "A. E.," 1 The Facade, Stroud Green Road, N.

MANAGER or Locum; qualified; ineligible; disengaged; excellent references; Photography, and well up in all branches of the trade. State salary, hours, etc., 273/16, Office of this Paper.

OXFORD.—Lady Dispenser (25), practical experience, desires post. 269/17, Office of this Paper.

QUALIFIED, elderly, active, good experience, married, desires permanency. Apply, 272/1, Office of this Paper.

QUALIFIED; four or five days a week; age 60; London, Cambridge, or between, on G.N.R. Graham, 31 Baldock Road, Letchworth, Herts.

QUALIFIED desires Management; 41; London; 1 day free weekly. Chemist, 1 Bond Street, Ealing.

QUALIFIED Chemist desires appointment as Manager, Assistant or Dispenser, or would take charge for another being called up; over military age; present employer Selling business. Smith, 9 Bexhill Road, Crofton Park, S.E.

QUALIFIED Manager or Locum; over military age; disengaged; best experience. "Sidonia," 4 St. Andrew's Square, Surbiton.

QUALIFIED (42), life abstainer, reliable, capable, long experience, desires Managership or responsible position with scope and prospects to enterprising man; South preferred. Apply, 265/371, Office of this Paper.

QUALIFIED; 49; married; permanency or Locum. 1/33, Office of this Paper.

QUALIFIED; Minor, Hall and F.C.S.; 37; married; exempt; good experience and references; Retail or Wholesale; Institutions preferred. C. W. Bayley, 63 Caxton Road, Wood Green, London, N.

SATURDAY Evenings and Sundays.—W. or S.W.; 40; first-class experience. 1/31, Office of this Paper.

SUNDAYS.—Pharmacist to relieve Thursday evenings and occasional Sundays; London and suburbs. Apply, 2/2, Office of this Paper.

UNQUALIFIED; good Salesman and profit maker; could take position of trust; ineligible; N. or N.W. London preferred. Address 273/26, Office of this Paper.

UNQUALIFIED (30), rejected, married, thoroughly experienced, capable of taking charge, abstainer, seeks permanency; country town preferred; disengaged about Christmas. Particulars and salary offered to "Country" (272/24), Office of this Paper.

YOUNG lady, unqualified; accustomed to Counter, and assist with light Dispensing; 12 years in trade; easy hours. Rose Villa, Cheshire Road, Smethwick.

YOUNG lady, Assist. Dispenser, requires post after Christmas; 5 years' experience; good training. State hours and salary (Midlands preferred), "F.," 54 Osmaston Road, Derby.

YOUNG lady Dispenser seeks re-engagement; two years' experience. Testimonial. Miss Thompson, St. Matthew's Lodge, Gerrard's Cross, Bucks.

WHOLESALE.

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DEPARTMENTAL MANAGER.

ADVERTISER, young, ineligible, experienced all branches, and as Departmental Manager, controlling large Factory staff, seeks similar or responsible position; enterprising, methodical. "Executive" (268/21), Office of this Paper.

ADVERTISER seeks post as Warehouse Manager in Wholesale and Manufacturing House; exceptional London experience of similar kind; age 47; qualified. Apply, "Cairo" (271/40), Office of this Paper.

ADVERTISER, with unique and successful experience in organising Medical Representation and obtaining clinical evidence for Proprietary Preparations, offers his services to Pharmaceutical house; highest references. Address, 2/9, Office of this Paper.

CLERK (female) desires situation; commence New Year; duration War only; 9 years' experience, Wholesale, Retail; wage 35s. Apply, 272/23, Office of this Paper.

DISCHARGED Sergeant wishes to Represent good firm; 10 years' experience; South Coast preferred. Apply, 273/14, Office of this Paper.

DUBLIN Representative, over military age, experienced, now disengaged, invites correspondence from established Houses, Drugs, Sundries, Toilet Proprietary, etc.; energetic, with established connection. Apply, 1/30, Office of this Paper.

LADY (Apothecaries' Hall qualification), thoroughly competent and reliable worker, with varied Wholesale and Laboratory experience, requires position in London. Miss E. A. Stowell, 64 Grafton Road, Acton, W.

MEDICAL Representative, very successful with high-class Proprietary Preparations, desires re-engagement; ineligible; first-class references. Address, 2/10, Office of this Paper.

PHARMACIST (29), married, seeks position in London Wholesale House; any duties; 15 years' Retail and Wholesale experience. Apply, 262/26, Office of this Paper.

REPRESENTATIVE for a well-known London House will shortly be disengaged; large and old-established connection amongst the best Chemists in the principal towns in England; highest references. Address 269/30, Office of this Paper.

TRAVELLER, age 46, qualified Chemist, requires re-engagement; many years' experience of road and connection; good selling record and first-class references; now disengaged. "Camphor" (272/19), Office of this Paper.

MISCELLANEOUS.

COMPLETE SHOP-FITTINGS, suitable for Branch or beginner.—12-ft. Drugfitting, Glass Labelled Drawers, etc.; 6-ft. Wall Case; 5-ft. Bent Counter Case; 6-ft. Dispensing Screen Counter; Desk Perfume Case; 8-ft. Plate-glass Front Serving Counter; Counter Drawers; ready for use; £50, a real bargain. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

FORWARD!

Your business cannnot be stationary. It must either be going forward or backward. Let us help you to push it forward. Send us 6d. in stamps and we will send you on range of samples. Our offer is unique, **100% Bonus** given with opening order. Good goods well got-up. Large stocks and quick dispatch sum up our methods. Get the samples now.

NI-VERRE CHEMICAL COMPANY,
Pharmaceutical and Toilet Preparations,
5 to 7 Ormeau Avenue. BELFAST (Ireland).

CAMERAS WANTED.

Single models or dealers' stocks; high prices given. Original cost price allowed for Vest Pocket Kodaks with R.R. lenses. Also wanted urgently, Ensignettes, Watch-Pocket Carbines, etc. Prompt replies, courteous treatment. Goods returned immediately if no business, carriage paid.

WATSON'S, 84 HIGH ST., SHEFFIELD.

XMAS WINDOW TICKETS & WINDOW POSTERS.

produced in Artistic & Refined Colorings for advertising Christmas Presents.
LIST SHOWING 100 DESIGNS FREE.
DUDLEY & CO. HOLLOWAY RD. LONDON. N.

WHAT IS WRONG WITH PHARMACY?
Not so much, if you join the
"STANDARD LIST SERVICE."

No Chemist should be without such a useful and profiting service. Send P.O. 1/- for specimen copy of the "Standard Retail Price List," and see for yourself.

Published by **Charles Philip**, *Pharmacist, 23 High Street, Herne Bay, Kent.*

McQUEEN'S System of Accounts, Works, Profit & Loss Account, Balance Sheet, and Income Tax Return with guaranteed certainty. Prepare for even bigger war tax and over-assessment by using this "Accountant on your Desk." Simple as A B C.

Full Particulars and Testimonials free.

McQUEEN & CO., Moat Rd. W., LEICESTER.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "The Chemist and Druggist."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Bromural tablets (272/20)	Quin. Sulph. (134/7)
Iodoglidine (243/3)	Saccharin (131/70)
Pot. Permang. (134/7)	Uricedin (269/21)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

DENTAL.

FOR sale, 1 oz. dionine. Offers to 129/39, Office of this Paper.

WHAT offers? 7 lb. vandyke brown. Oswal Davies, Pharmacist, Pontypridd.

FOR sale, dental showpieces, celluloid and vulcanite, from 3s. 6d. R. Lamb, 123 West End Lane, London.

FOR sale, combined gas-pressure gauge and regulator, also blow-through limelight jet and tray; in perfect working order. Ashfield, Shanklin.

DRUGS AND CHEMICALS.

LIQUORICE-JUICE in 10-lb. blocks, small stock, for sale. Offers to "Minim" (2/19), Office of this Paper.

FOR sale, 12 botts. antipyrin tabs., 200s, 5 gr. (Wyeth), 2s. 4d. oz.; 5 gall. old ol jecoris, 8s. gall.; 2 lb. bismuth subgall, 13s. lb.; 4 doz. botts. gonoton tabs., 2s. each; 6 doz. botts. anti-diphtheria serum (Mercks), dated Nov. 1918, 12s. doz.; 3 × 1 oz. botts. Mercks's stypticin, 15s. oz.; 3 × 1 grm. botts. Mercks's stypticin, 1s. bott.; 17 botts. semori. Luitpold Chem. Co., Munich, 3s. bott.; 24 botts. Bayer's istizin, 2s. bott.; 9 boxes ichthyol pills, 100, Ichthyol Co., Hamburg, 1s. box; 14 boxes capsules 0.25 gr., 1s. 6d. box; 12 boxes gonokkeno serum, 10 ccm. (Mercks), 2s. box; 11 boxes Mercks's diphtheria, 3000, 2s. 6d. box; will divide. Chemist, 278 Bishopsgate, London.

MISCELLANEOUS.

SALE.—14 pairs dental forceps, in leather wrapper; mostly unused; 4s. pair or near offer; approval, deposit. George, 4 Sarah Street, Sheffield.

WANTED.

B.P. 1914 wanted. State price, Houthooft, 36 Camberwell Green, S.E.

WANTED, 20-feet oxygen cylinder. State price, Cromack, 413 Oxford Road, Manchester.

PILL machinery for hand or power. Write "Machinery" (247/37), Office of this Paper.

"C" SPARKLET syphons. State quantity and price, 268/17, Office of this Paper.

STYPTOL tablets (Knoll). Offers to "R. M. O.," St. Andrew's Hospital, Dollis Hill, N.W.

DENTAL chair and personal weighing machine wanted. State condition and price of each, to H. Beale & Co., Chemist, Harlesden.

TUITION required in dental extraction by N.W. Chemist; free afternoons. State terms, "Extraction" (266/1), Office of this Paper.

WANTED, second-hand set of surgical instruments, also cheap set of eye instruments. W. Geo. Barrow, 13 Thurland Road, Bermondsey.

WANTED, P.J.F. Book, complete with supplements, up-to-date. Lowest price, J. & J. Thompson & Co., Ltd., 192 Manchester Street, Oldham.

STAMPS.—Wanted, to buy collection or loose lots, also to exchange or sell duplicates. Address Secretary, Hull Philatelic Society, Pryme Street, Hull.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

REQUIRED, mixing machine, Werner & Pfleiderer type, for power, with two speeds an advantage; Griffith's whisk, for power, about 5-gallon capacity; sifting machine, for power; enamelled tilting pan, with or without stirrers. Cuxson, Gerrard & Co., Ltd., Oldbury.

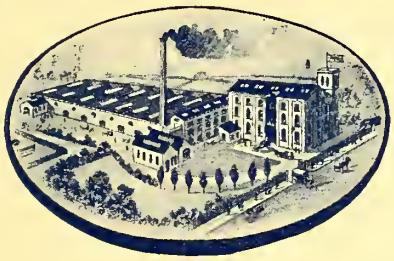
Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*November* 18, 1916. [76]

The Wigglesworth Way

Mr. PHARMACIST!

A GREAT DEMAND

is anticipated for the following specialities during the coming season. We would strongly advise you to examine your present stock and to order without delay any of the lines you may require.



QUININE & PHOSPHORUS TABLETS.

Record Sales for this popular and profitable line continue. Excellence of the product combined with "The Wigglesworth Way" of Advertising is accountable for the remarkable success. Order now and participate in the increased business sure to follow.

In Decorated Tins to retail at 6d.

DIAMOND PINE TABLETS
SWISS PINE TABLETS

In Tins to retail at 6d.

BROMPTON LOZENGES
SORE THROAT TABLETS

In Tins to retail at 3d.

Mentholoid Throat PELLETS
Husky THROAT PELLETS

Samples and Prices will be sent on receipt of postcard.

FORMALIN THROAT TABLETS
COLD CURE TABLETS
CINNAMON INFLUENZA TABLETS

WIGGLESWORTH & Co
WESTHOUGHTON, LANCS.

TO WHOLESALE & EXPORT TRADES. ESTABLISHED 1846.

Extracts
Tinctures in Bond

RANSOMS

Resins
Essential Oils

WILLIAM RANSOM & SON, LTD.,
MANUFACTURING PHARMACEUTICAL CHEMISTS.
Distillers of Essential Oils and Cultivators of Medicinal Plants.
HITCHIN, near LONDON. Telephone: 95 HITCHIN.

50 YEARS' REPUTATION.

FENNINGS' CHILDREN'S POWDERS.

ADVERTISED EVERYWHERE. *READY SALES.*

A supply of Fennings' "EVERY MOTHER'S BOOK" or Counter Bills (both with Agent's name and address), or Showcards, sent carriage free on application to

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A guarantee Cadbury's Cocoa Essence (unflavoured) is absolutely pure & prepared only from the finest selected Cocoa

GOODALL, BACKHOUSE AND COMPANY

The HOUSE *for* Prompt Deliveries.

MANUFACTURING CHEMISTS and WHOLESALE DRUGGISTS

We especially invite inquiries for

TARTARIC ACID OLIVE OIL
CREAM *of* TARTAR COD LIVER OIL

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